

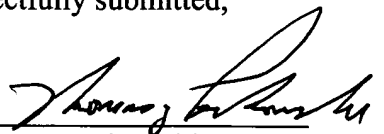
REMARKS

Applicants thank the Patent Office for the careful attention accorded this Application and respectfully requests entry of Amendment to the Specification set forth above and remarks set forth below.

The above Amendments to the Specification have been provided to ensure correspondence between the Specification and Formal Drawings.

Respectfully submitted,

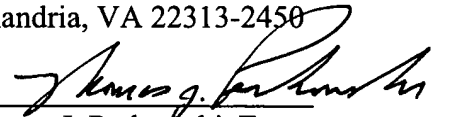
Dated: November 22, 2004

  
Thomas J. Perkowski, Esq.  
Attorney for Applicants  
Reg. No. 33,134  
Thomas J. Perkowski, Esq., P.C.  
Soundview Plaza  
1266 East Main Street  
Stamford, Connecticut 06902  
203-357-1950  
<http://www.tjpatlaw.com>

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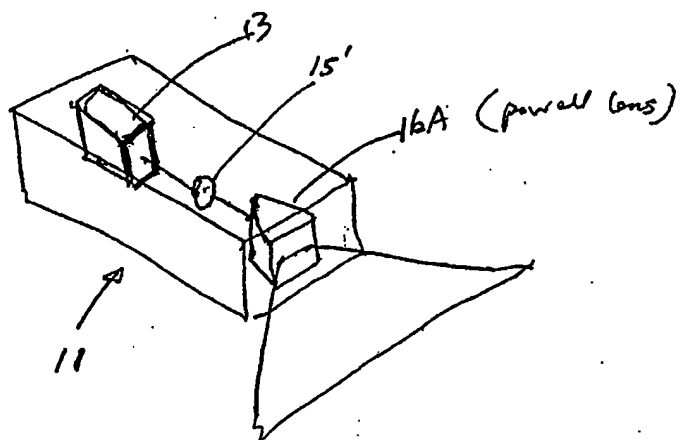


FIG. 1G.16A

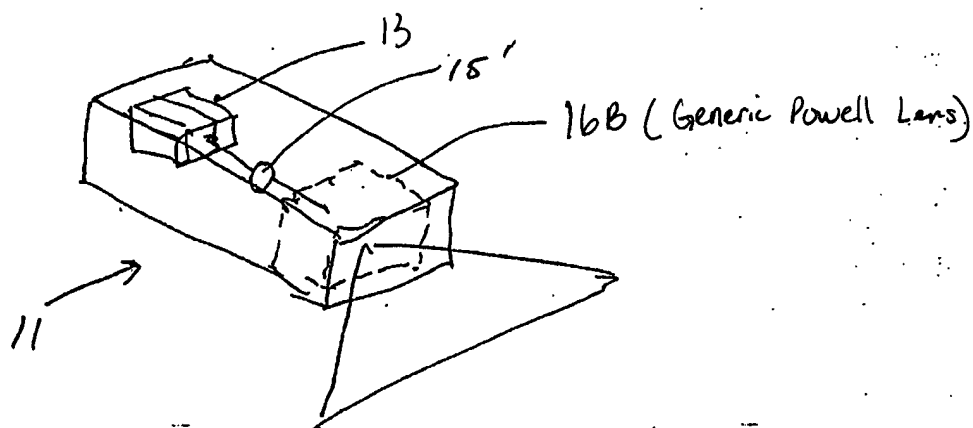
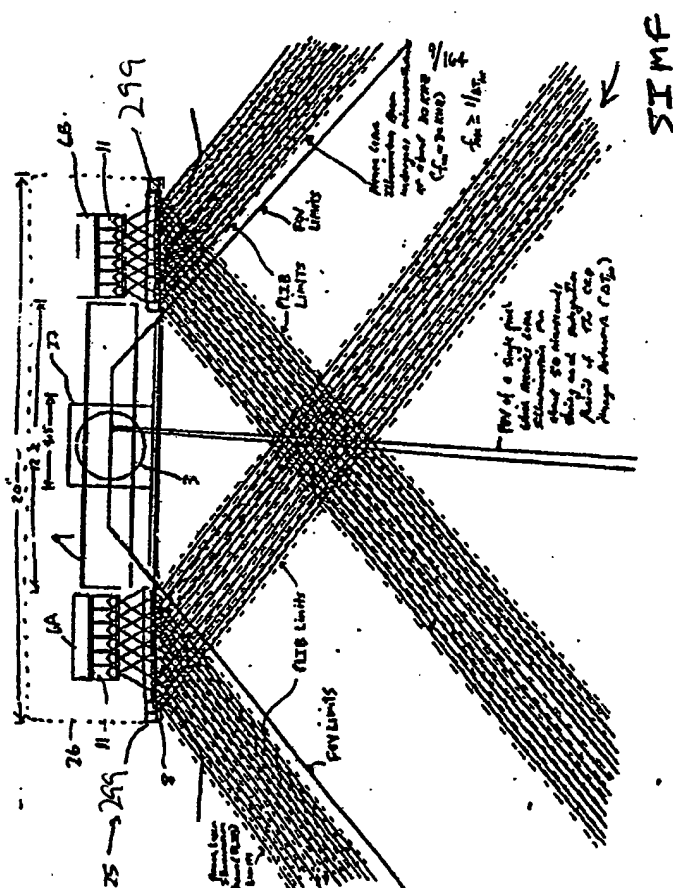


FIG. 1G.16B

• PLIM w/  
powell lens

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Sixth Generalized Method of  
Reducing Speckle-Noise Patterns  
at Image Detection array  
of the EPD Subsystem

(SEMF)

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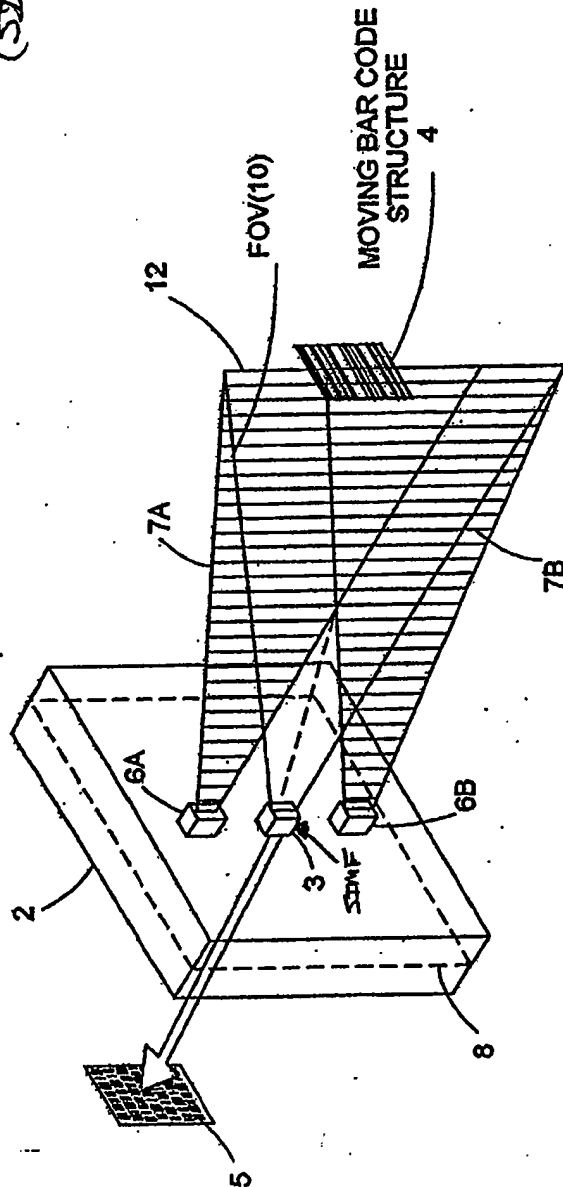


FIG. 11 22

EIGHTH

7/1/95

EIGHT GENERALIZED METHOD OF REDUCING THE SPECKLE PATTERN  
NOISE OBSERVED IN PLIIM-BASED IMAGING SYSTEMS

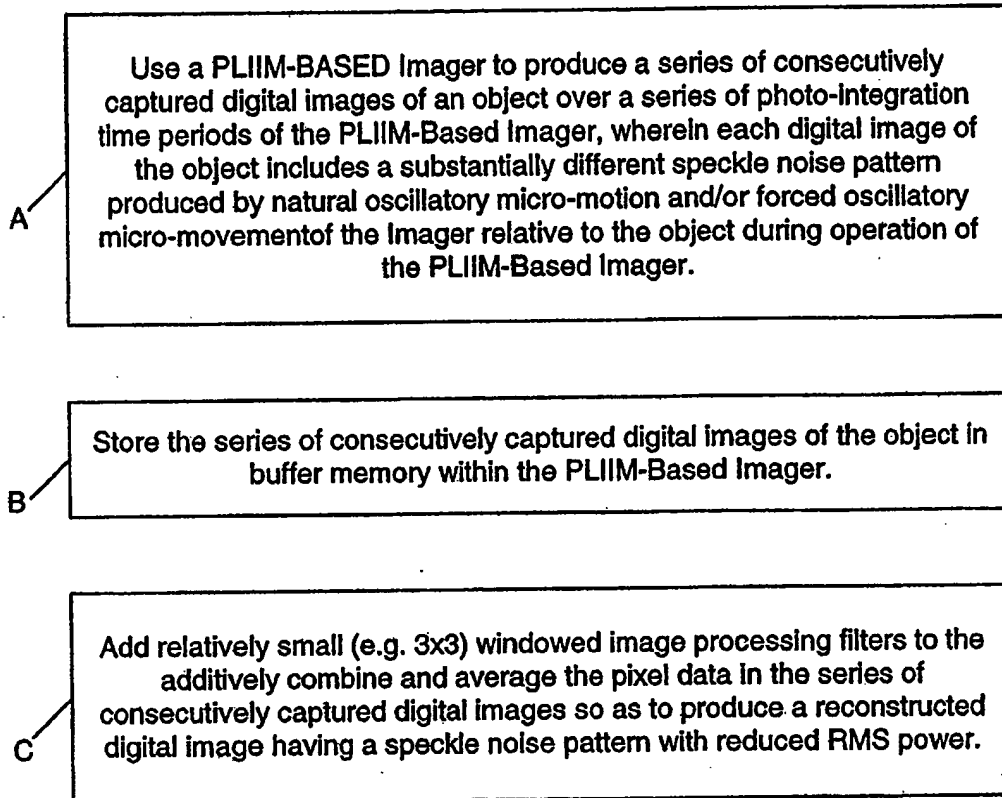
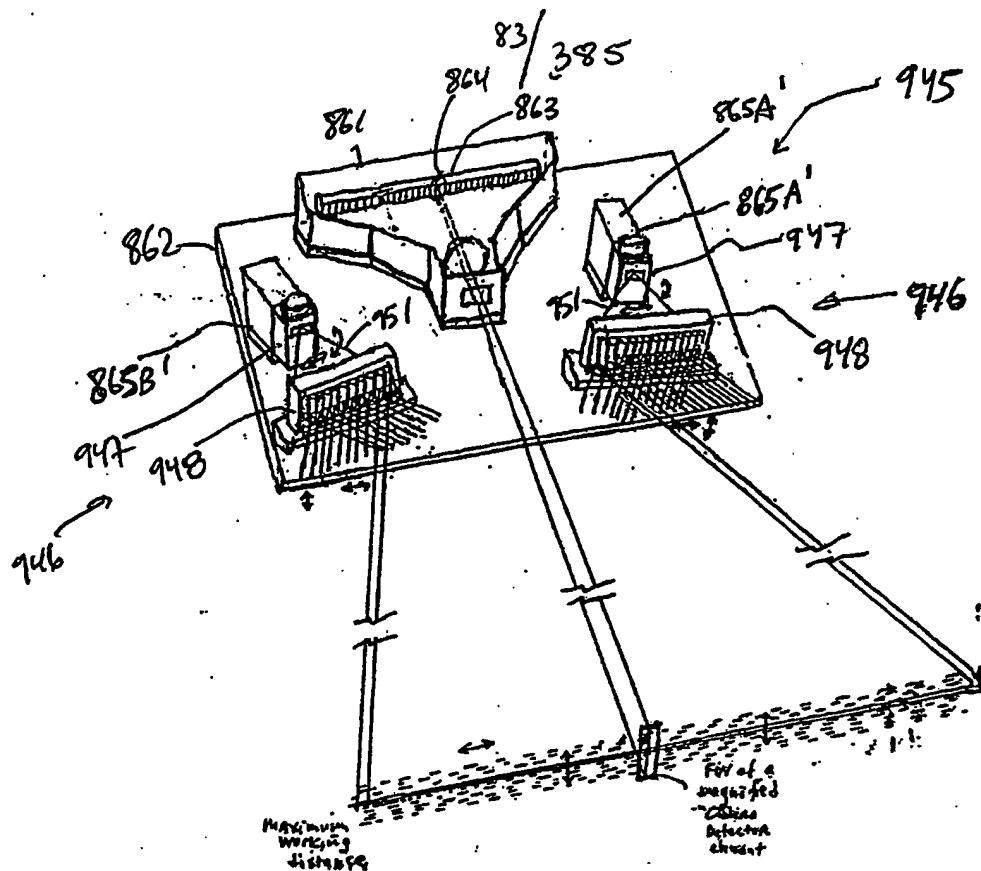


FIG. 1124D



Isometrical and  
Transverse  
Illustration of ALB

FIG. 1I25I1

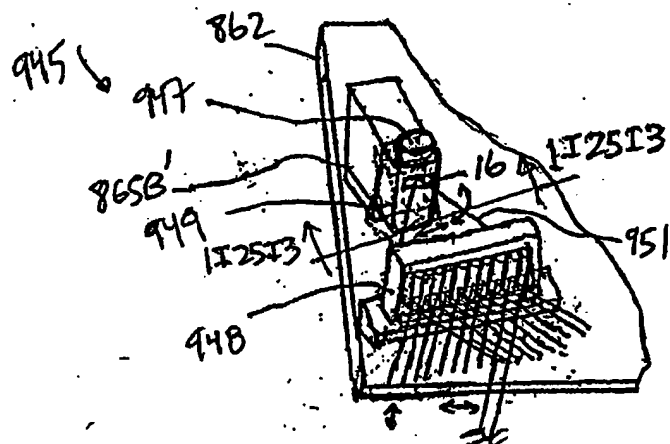


FIG. 1I25I2

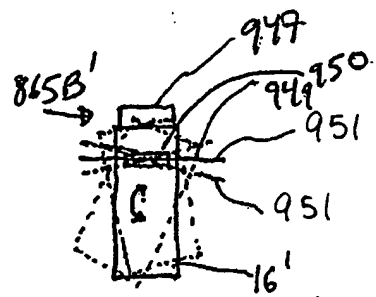


FIG. 1I25I3

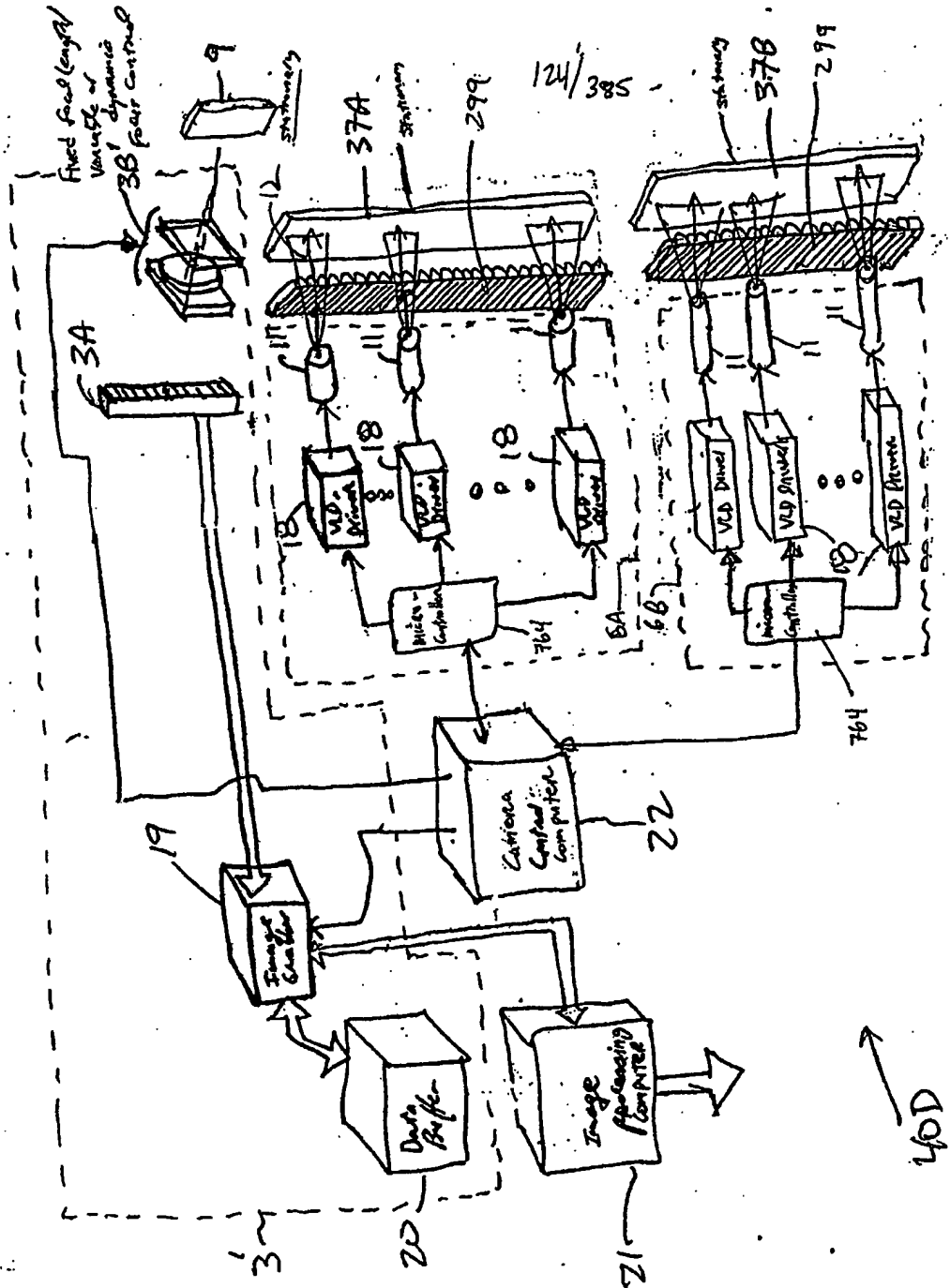


FIG 2F2

40D

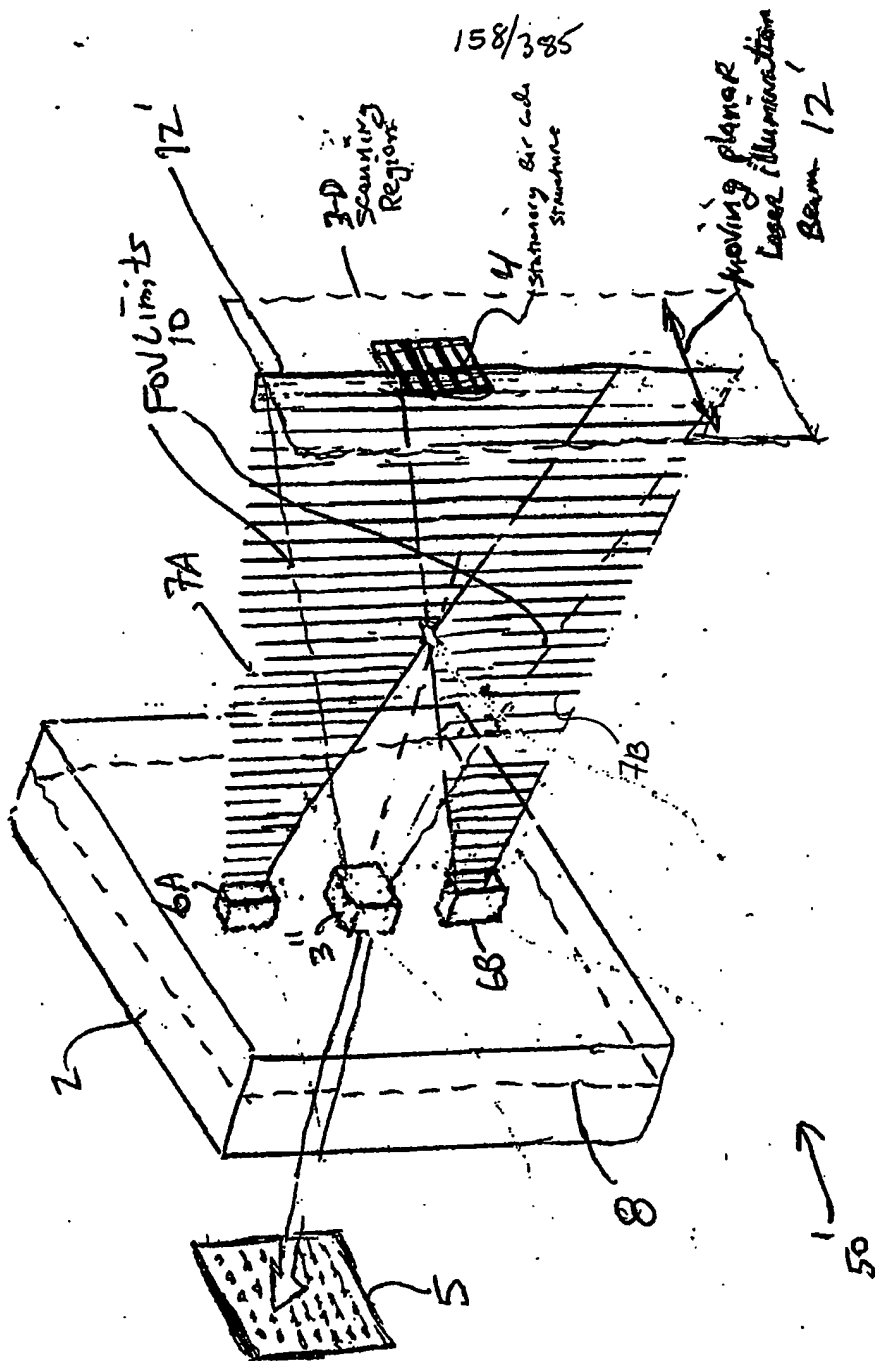


FIG. 3J1



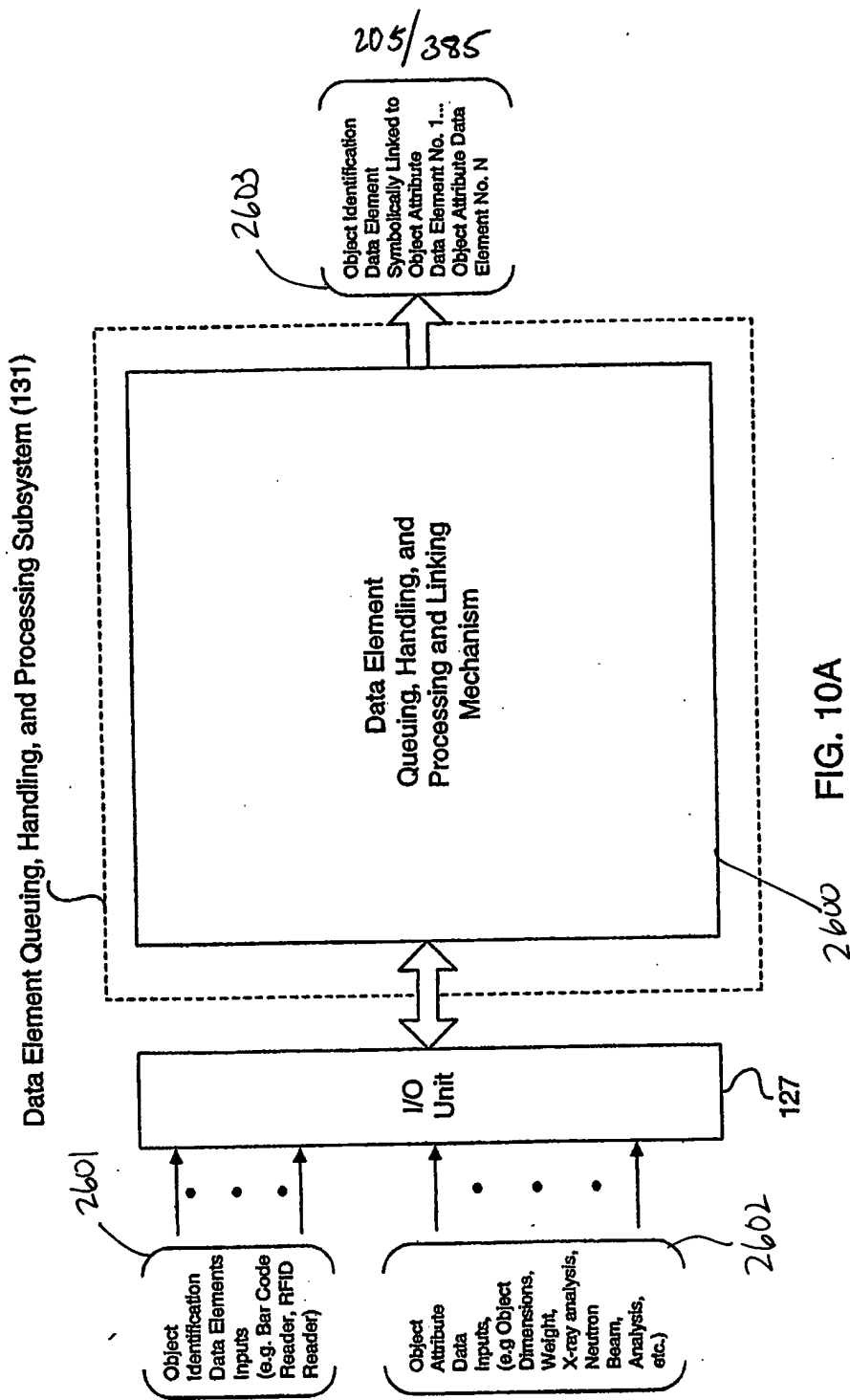
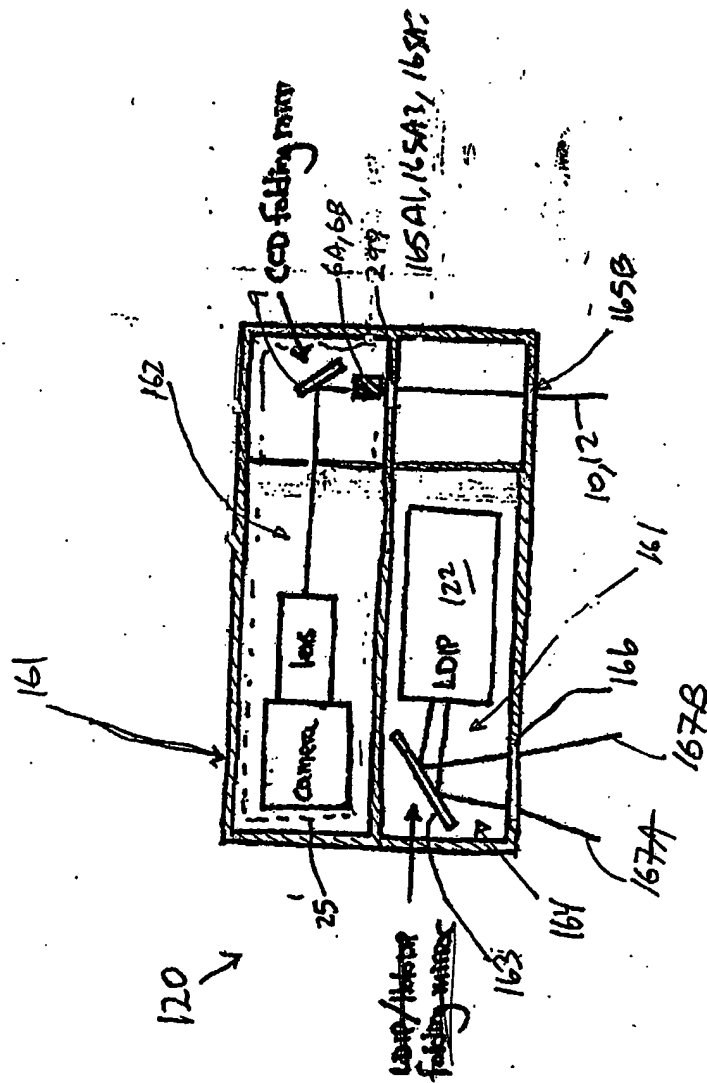
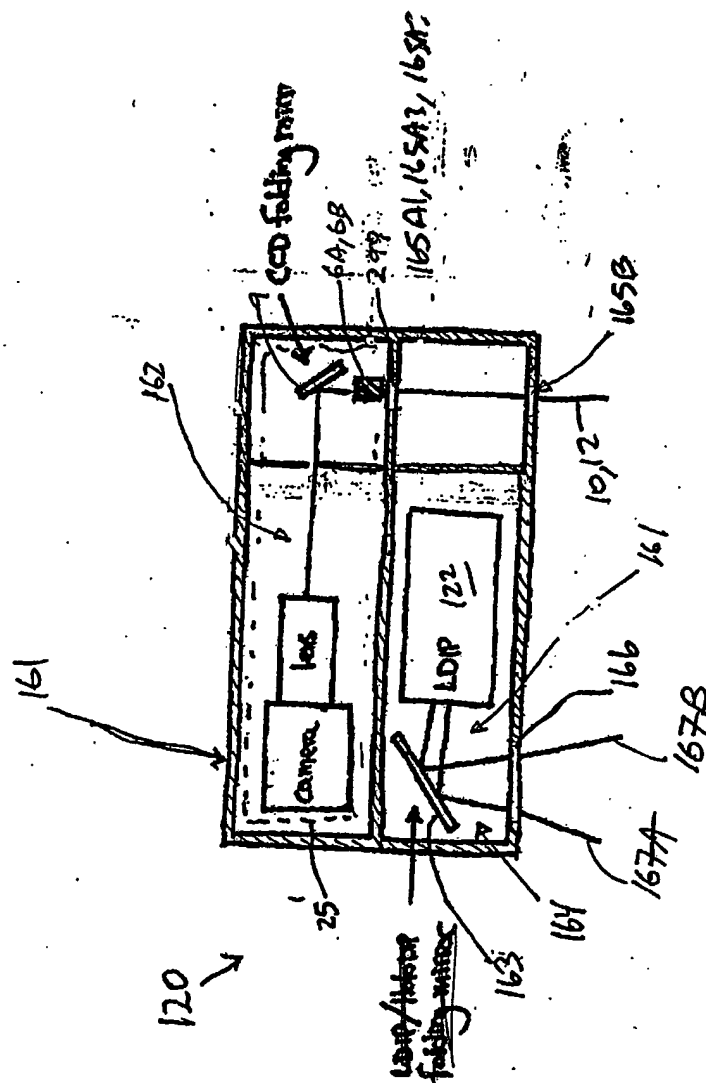


FIG. 10A

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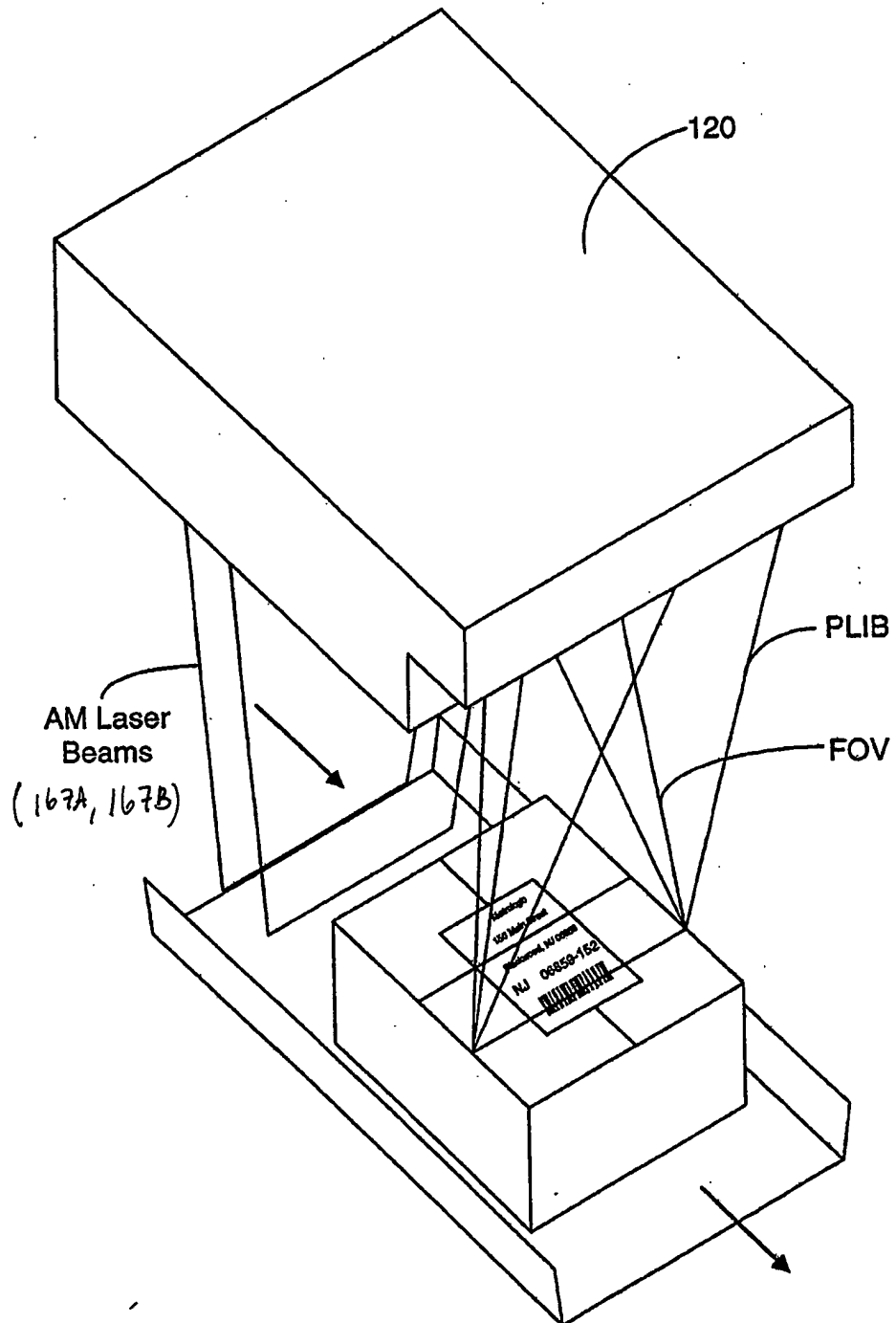
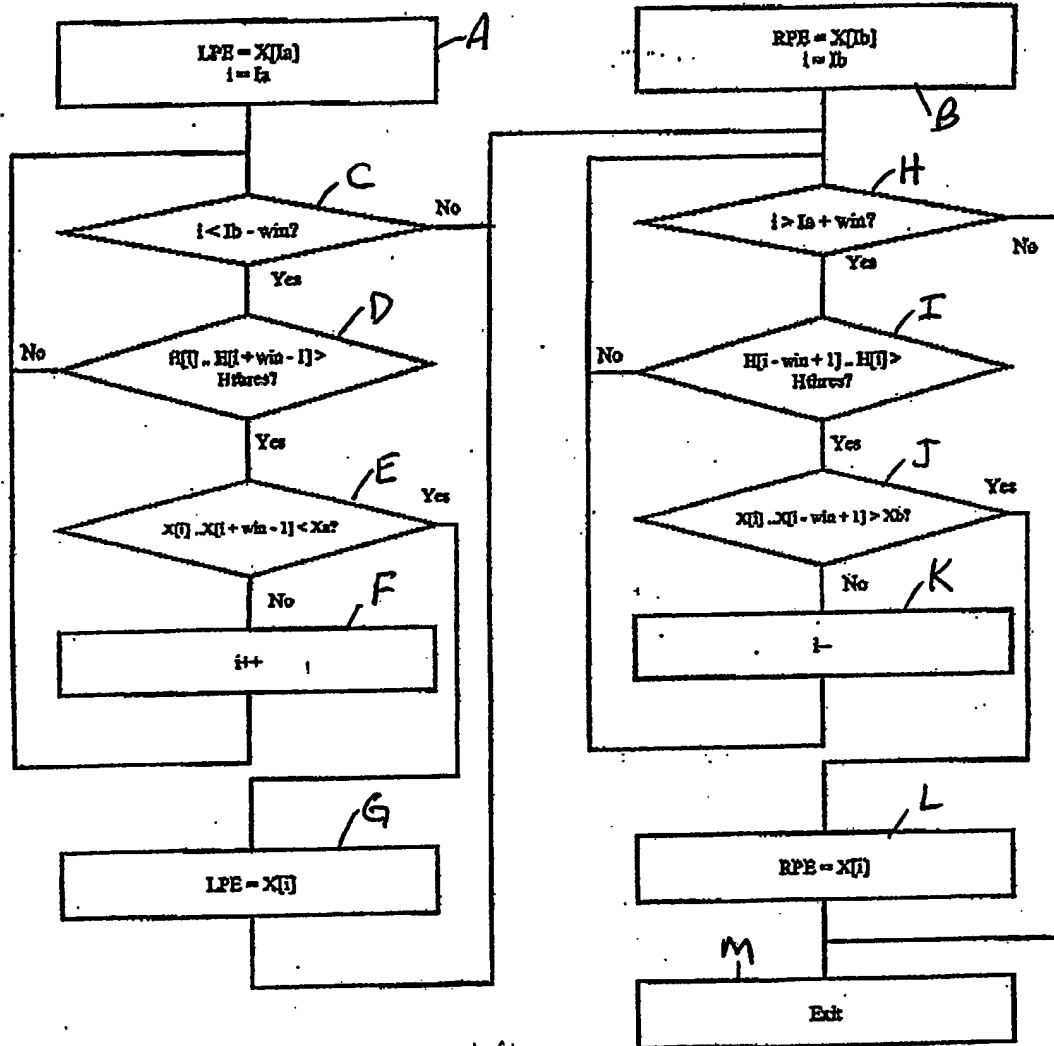


FIG. 13A

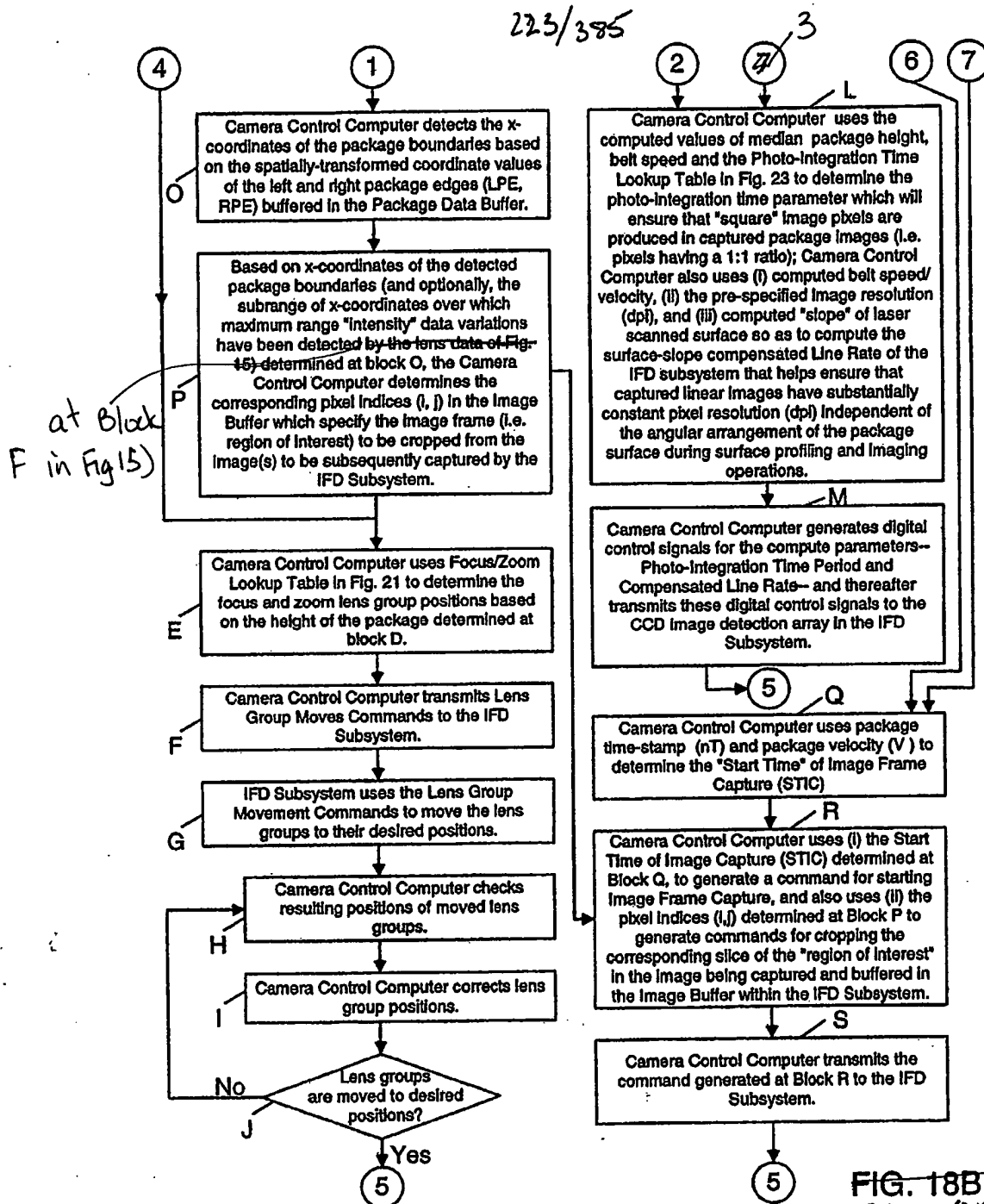
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# LDIP Real Time Package Edge Detection



$X_a$  = location of belt left edge;  $X_b$  = location of belt right edge  
 $I_a$  = belt edge pixel;  $I_b$  = belt right edge pixel  
 $LPE$  = Left package edge;  $RPE$  = Right package edge  
 $H[i]$  = Pixel height array;  $X[i]$  = Pixel location array  
 $win$  = package detection window

FIG. 16



FIGS. 18B-1  
and 18B-2

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LASER

METHOD OF COMPUTING OPTICAL OUTPUT POWER FROM CASE-  
DIODES IN PLANAR LASER ILLUMINATION ARRAY (PLIA) FOR  
CONTROLLING CONSTANT WHITE LEVEL IN IMAGE PIXELS CAPTURED  
BY PLIIM-BASED LINEAR IMAGER

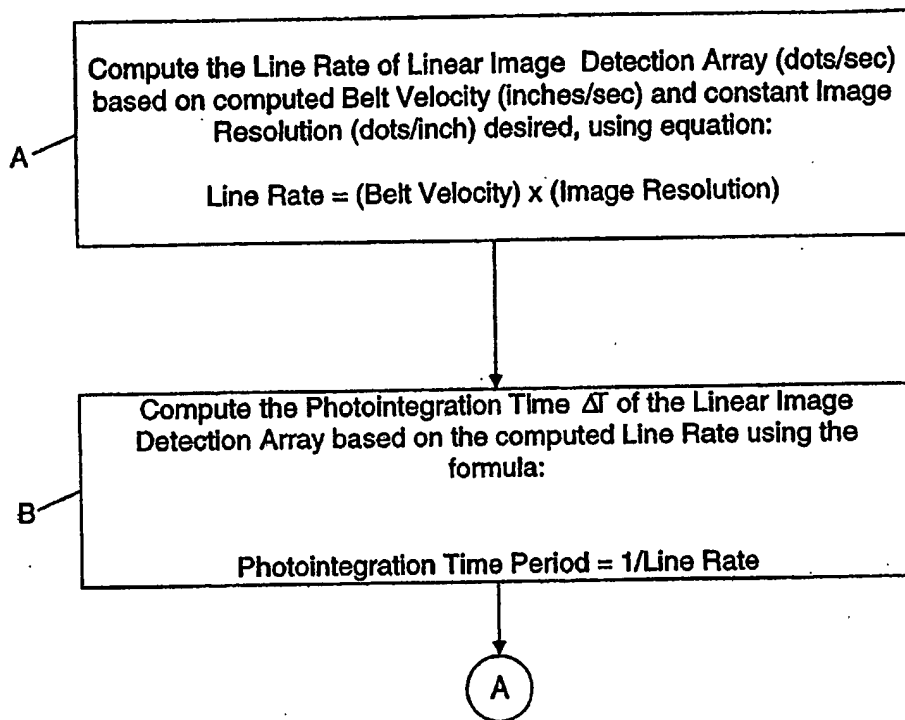


FIG. 18C1

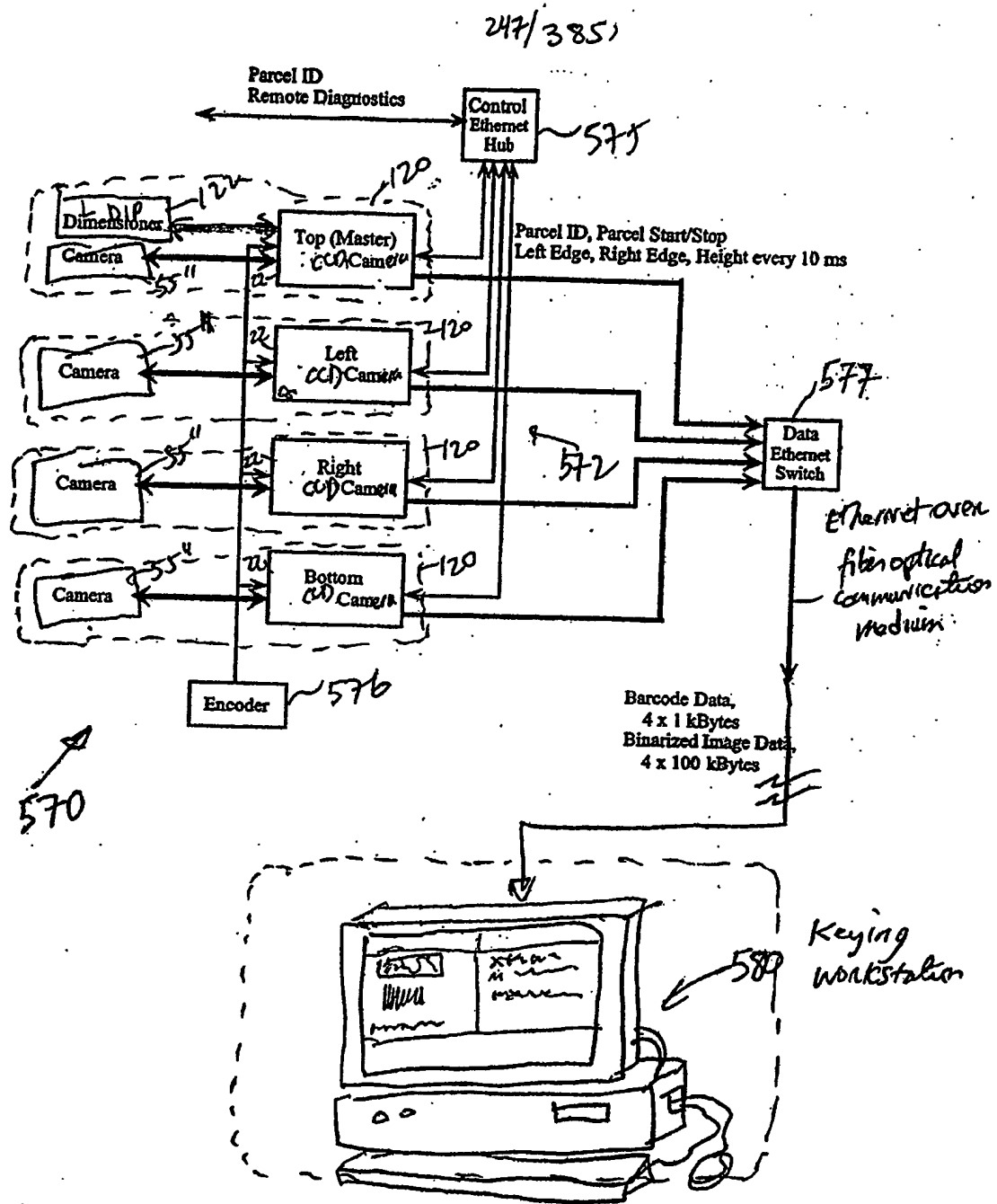


FIG. 29





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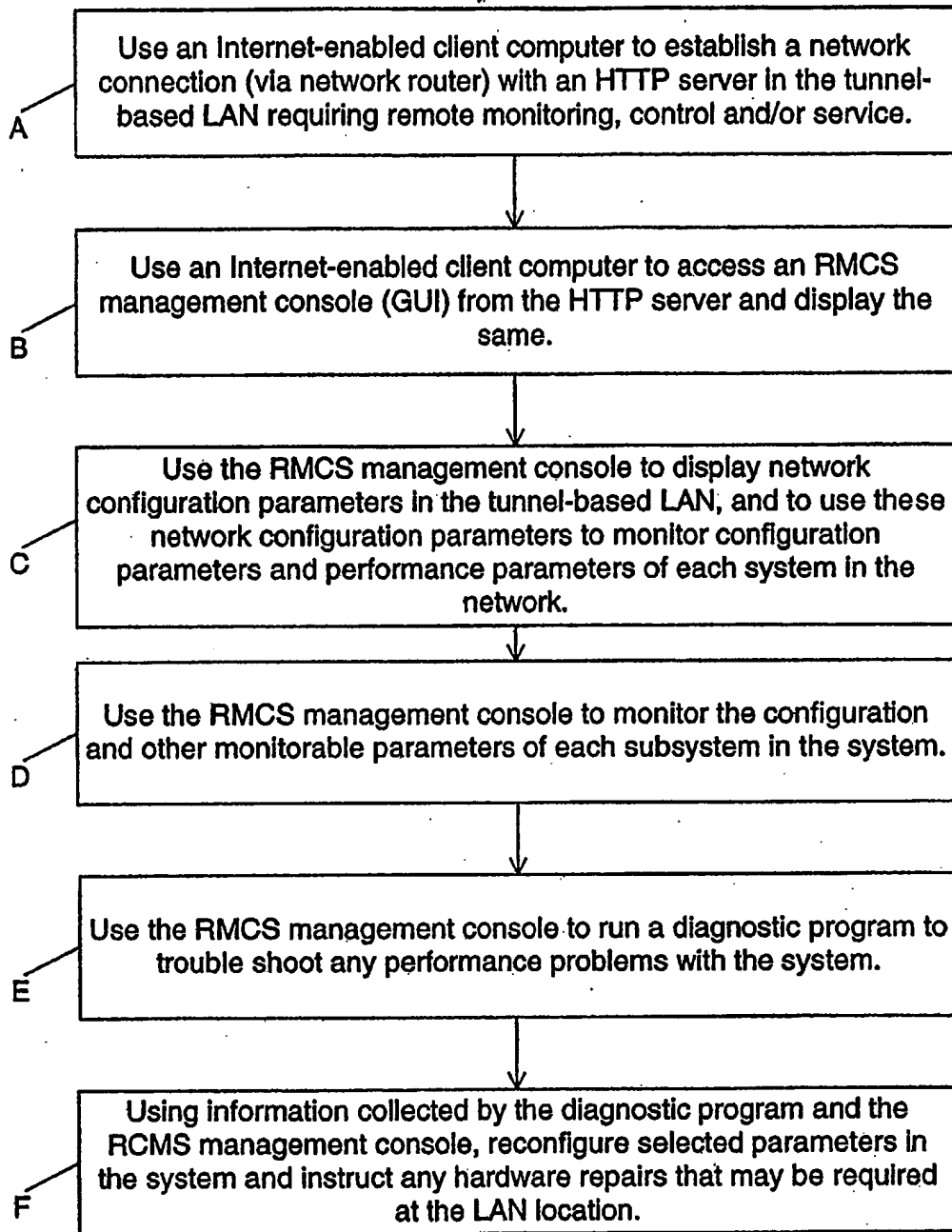
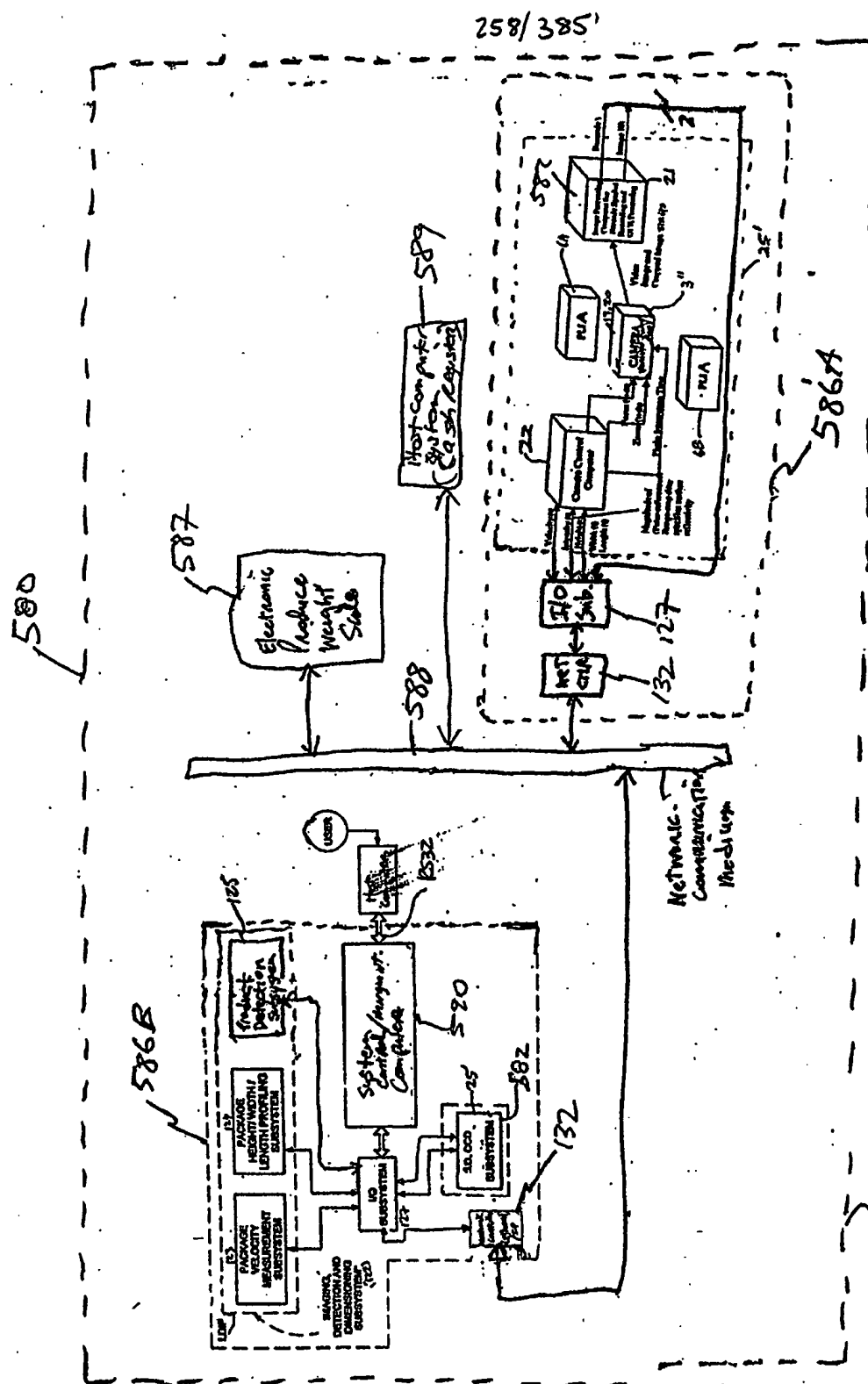


FIG. 30D1



~~FFG. 33C~~  
FFG. 33C1 and 33C2

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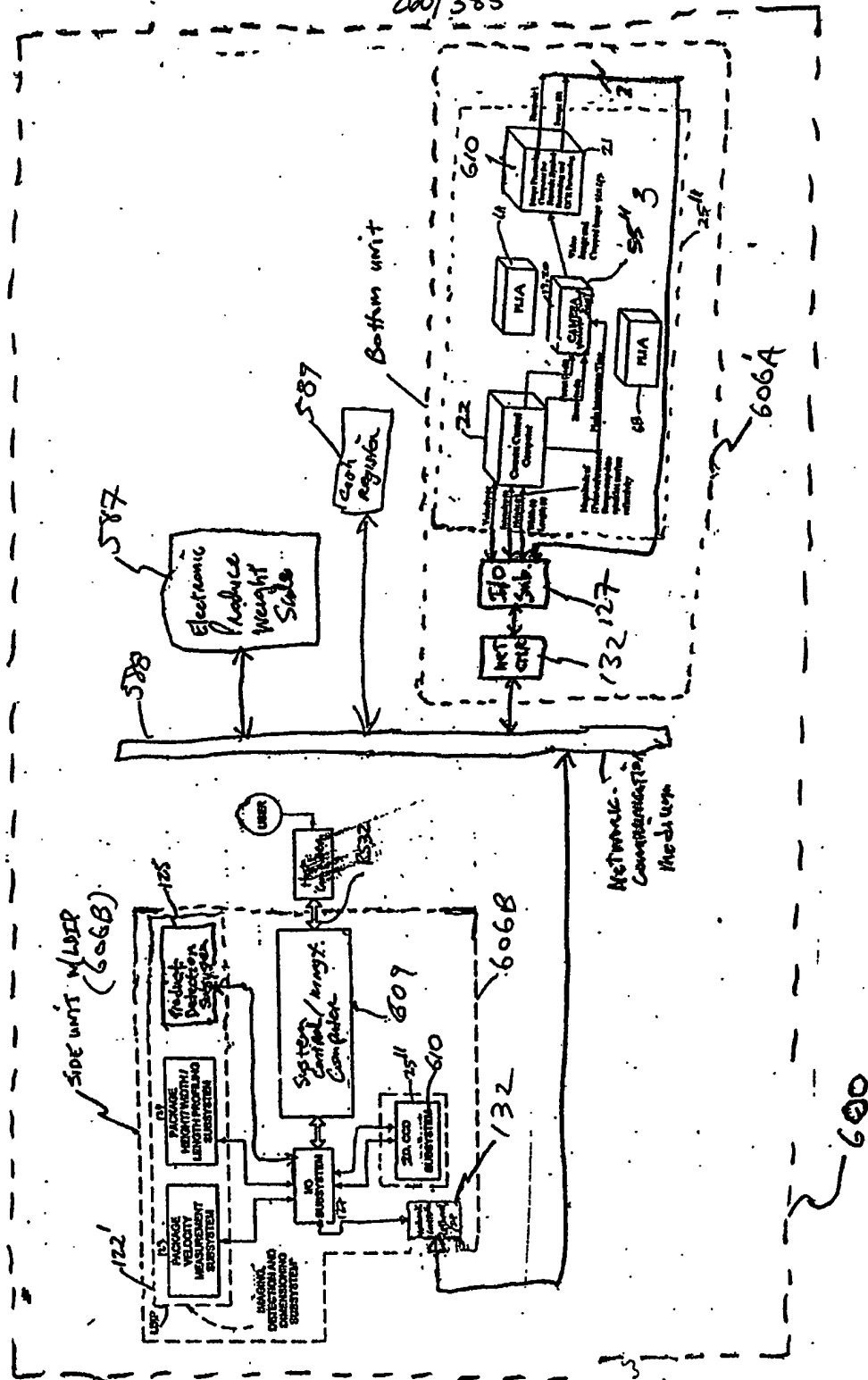


FIG. 34C  
FIGS. 34C1 and 34C2



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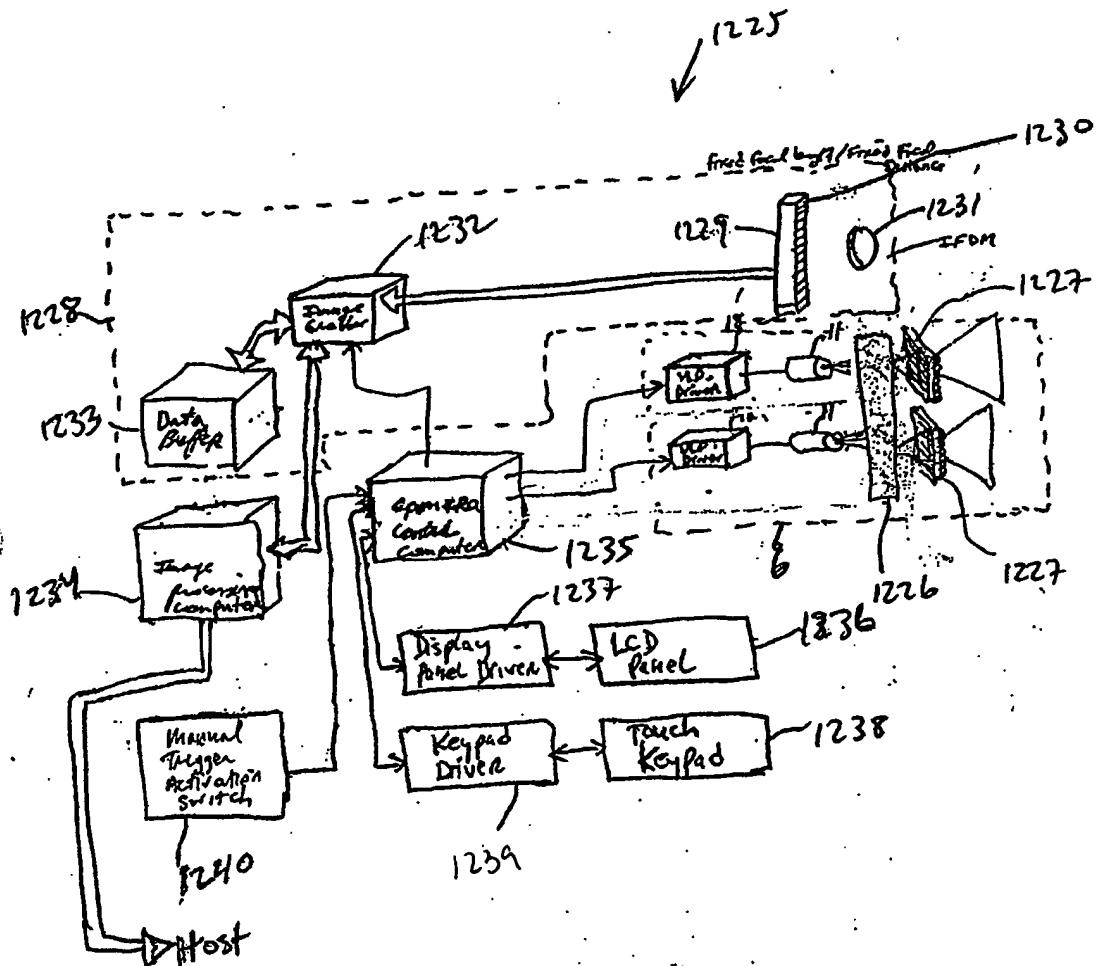
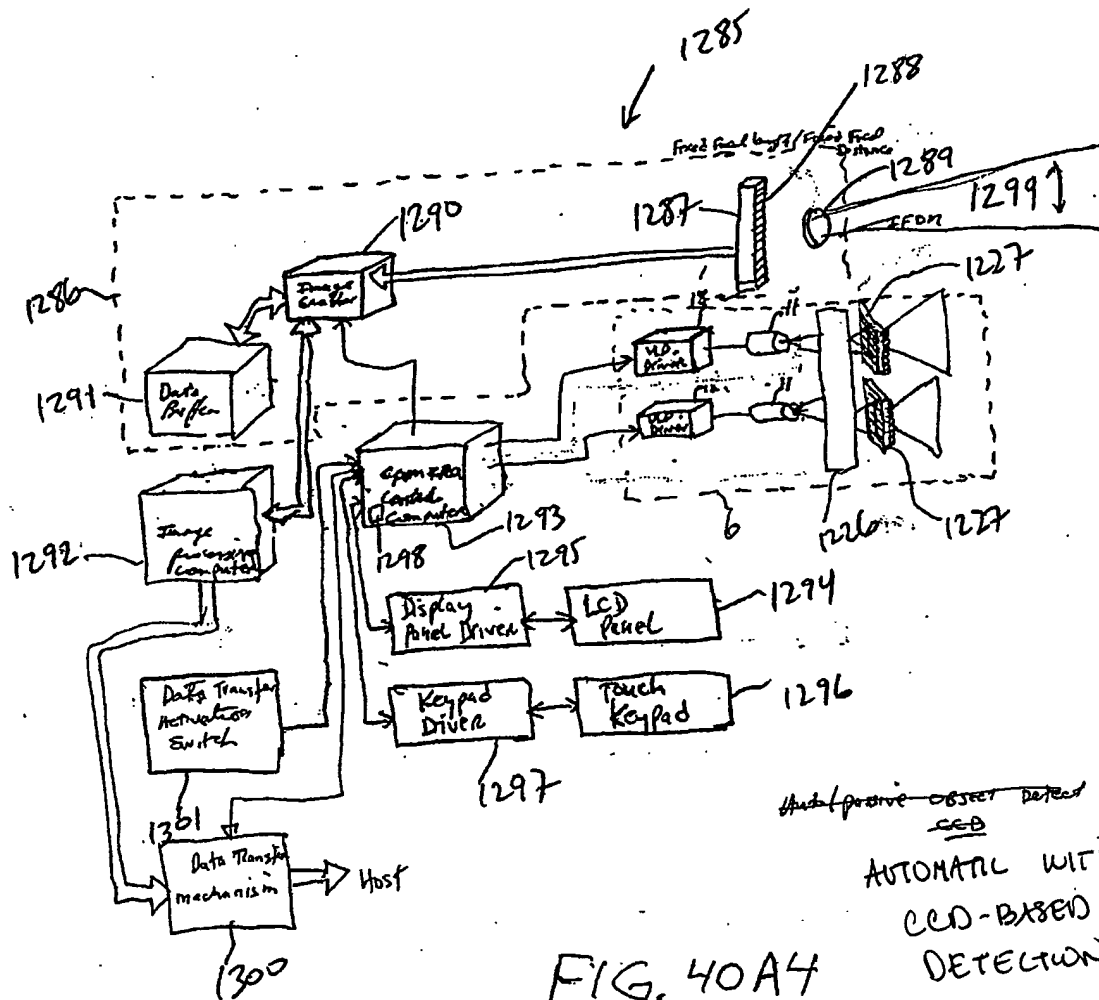


FIG. 40A1

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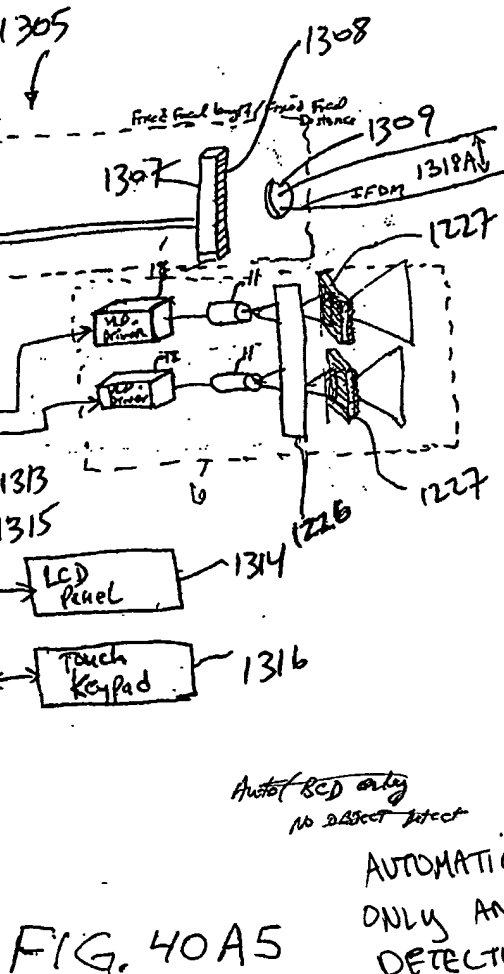
$$273 \overline{) 385}$$


FIG. 40A5





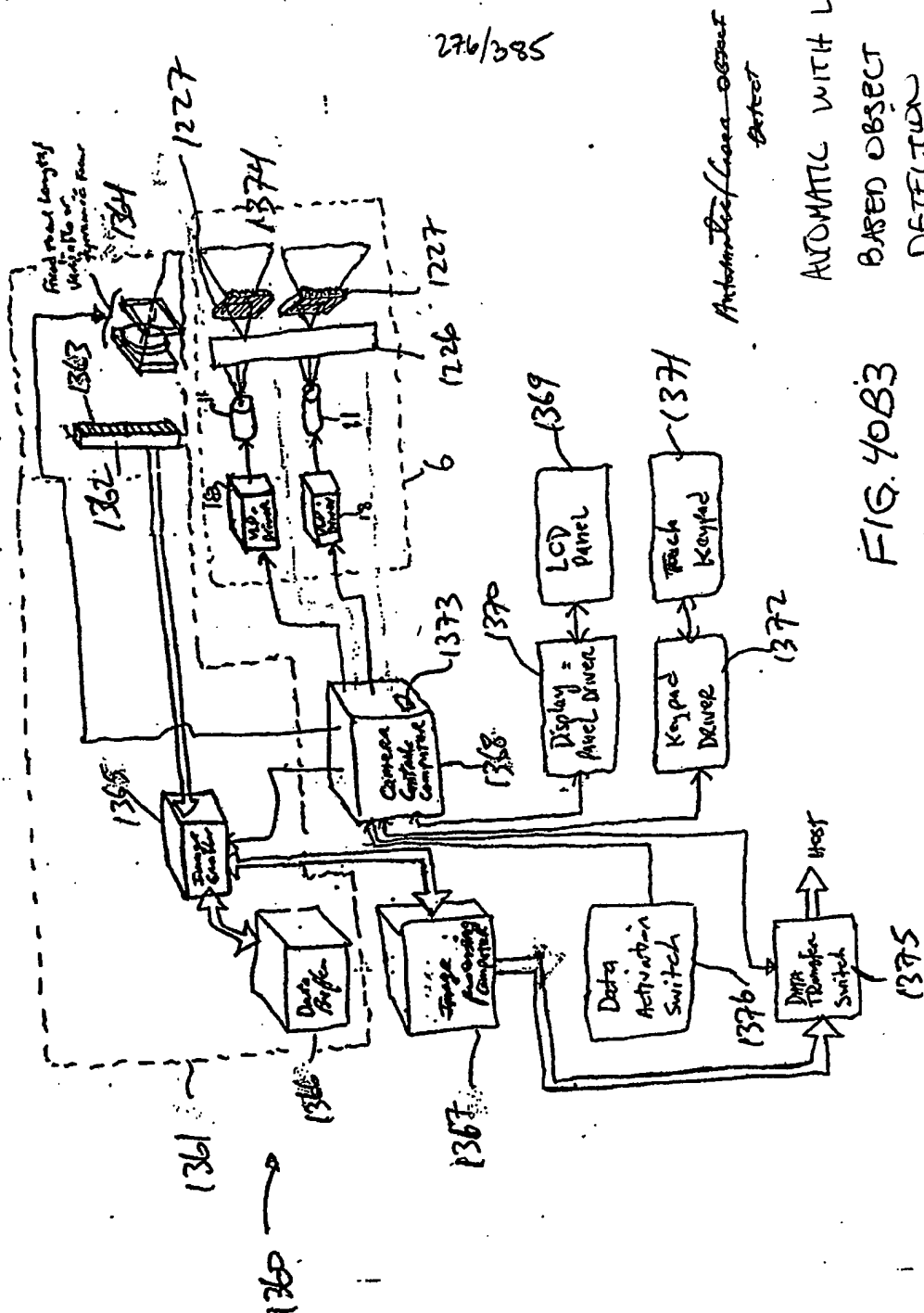
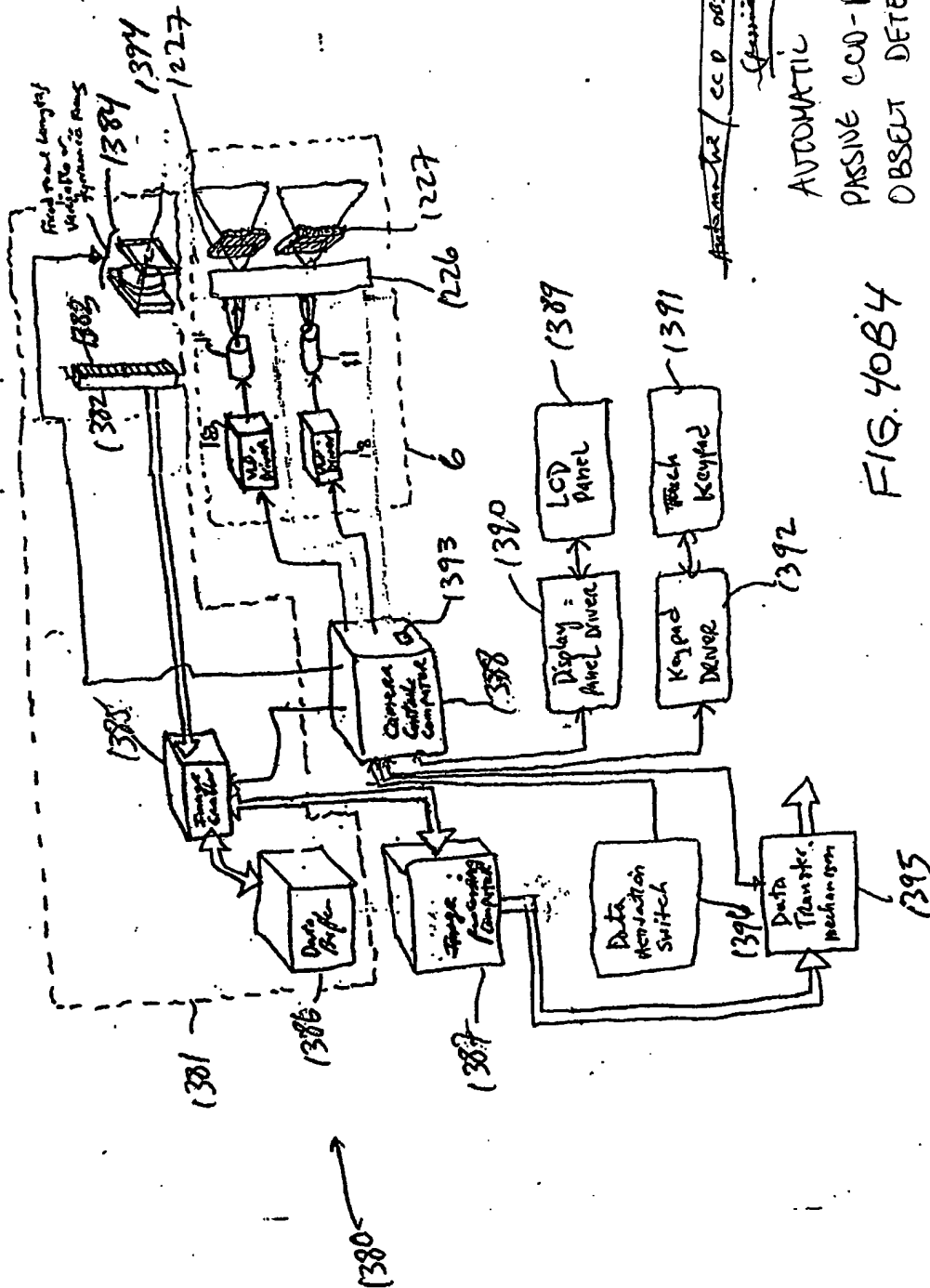


FIG. 40B3

AUTOMATIC WITH LASER  
BASED OBJECT  
DETECTION

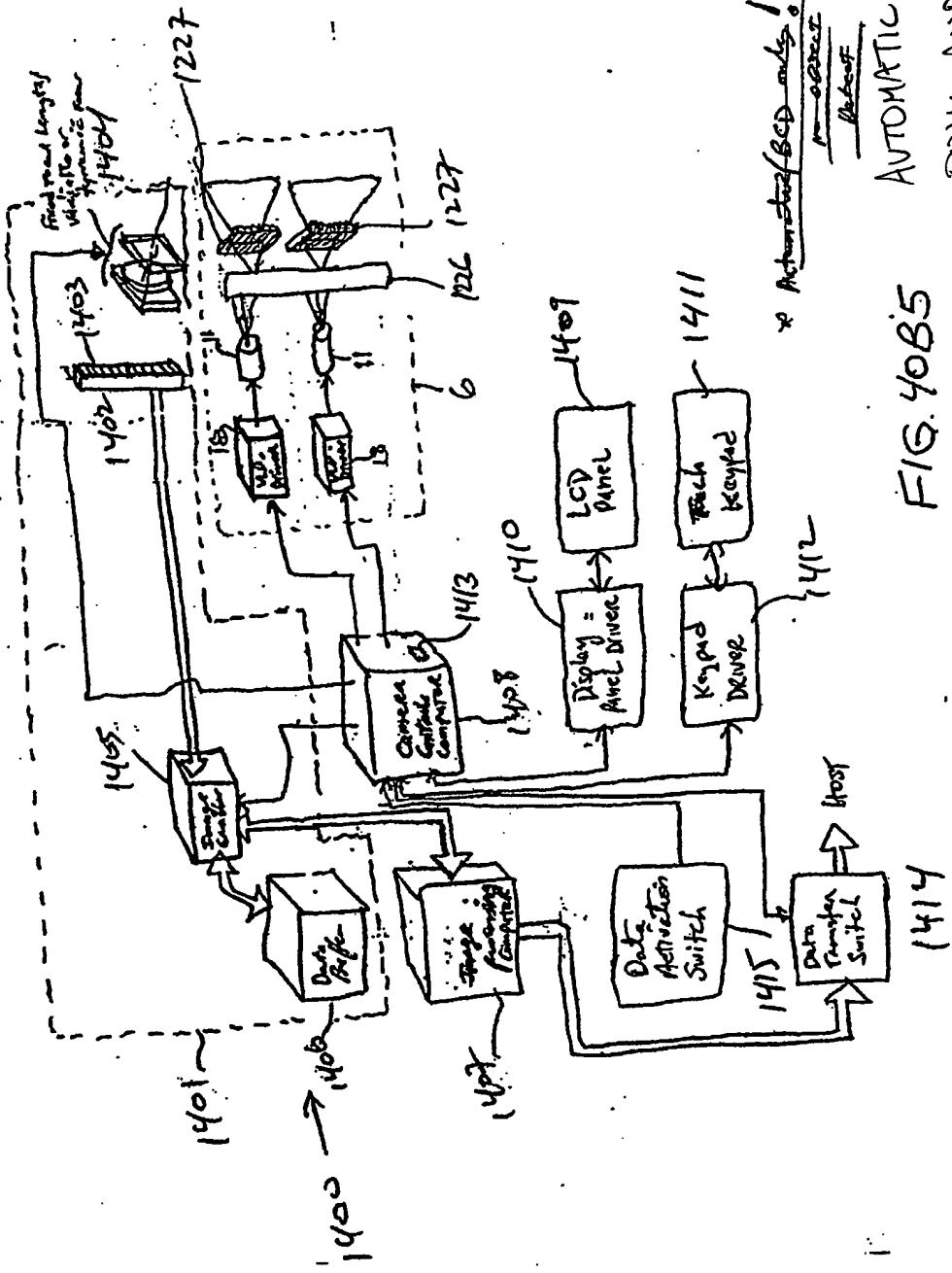
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Automatic with  
passive CO2-based  
object detection

FIG. 40B4

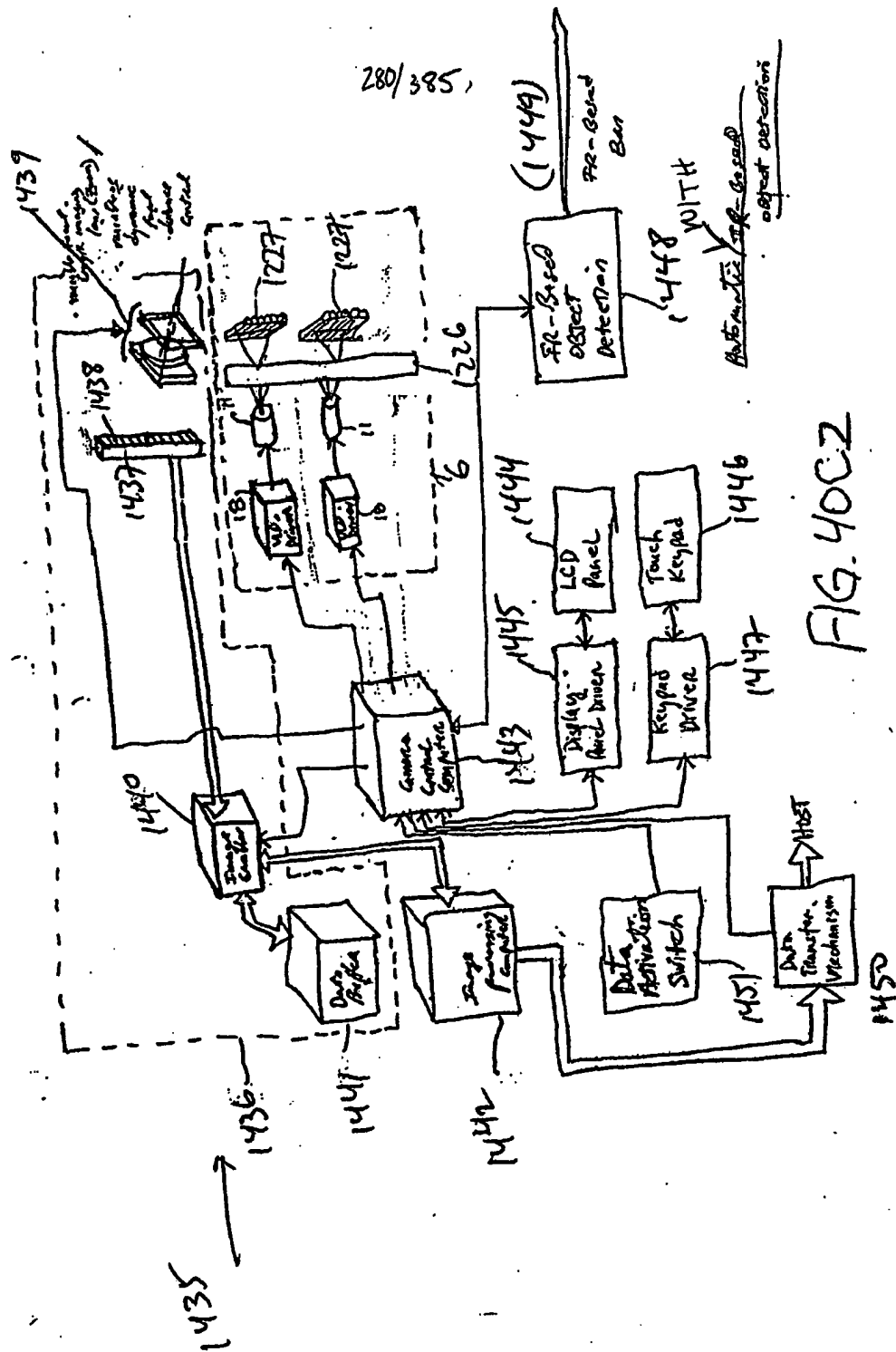
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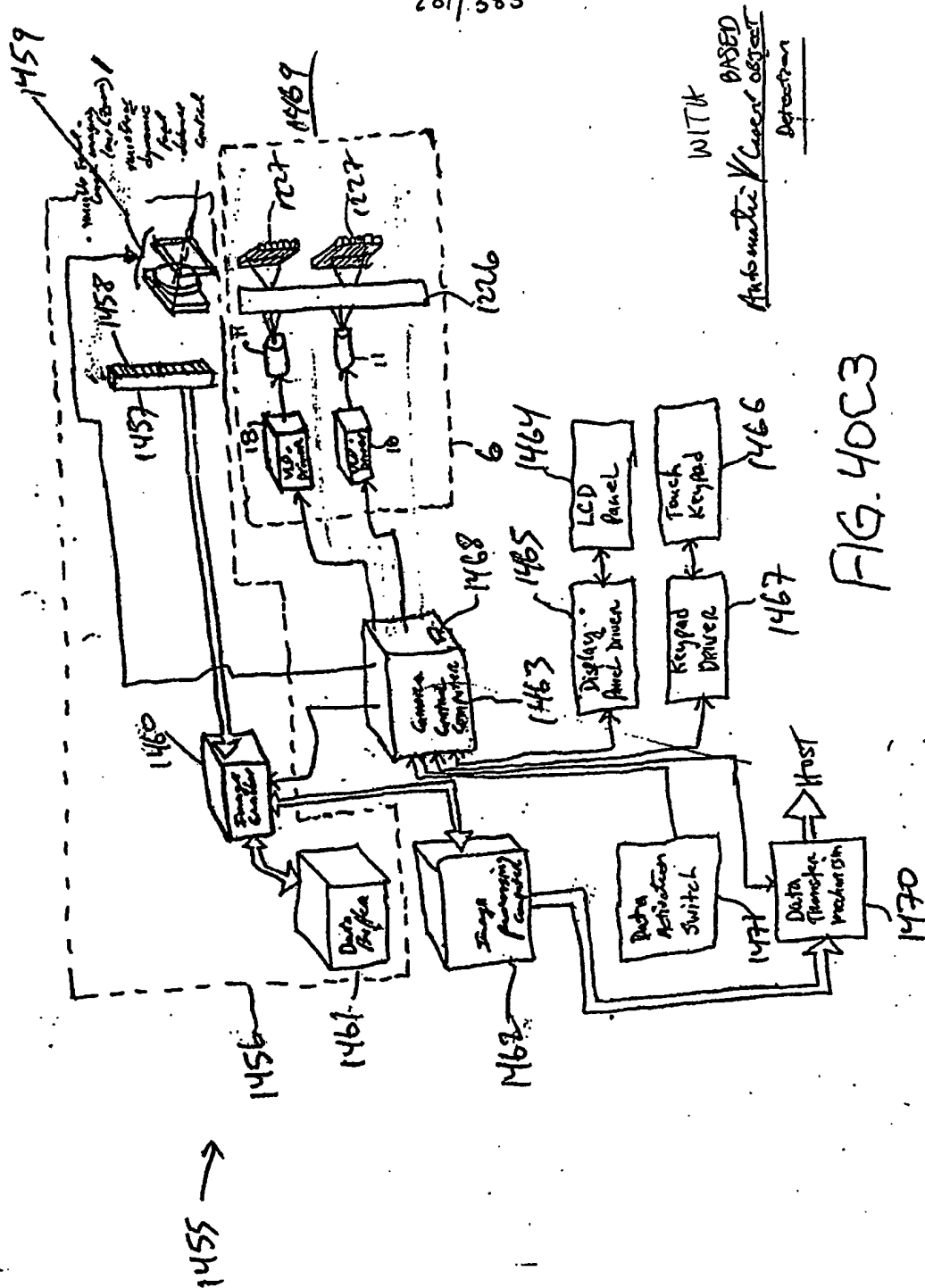


AUTOMATIC WITH BCD  
ONLY AND NO OBJECT  
DETECTION

FIG. 40B5

\* Automated BCD only  
no object  
detection





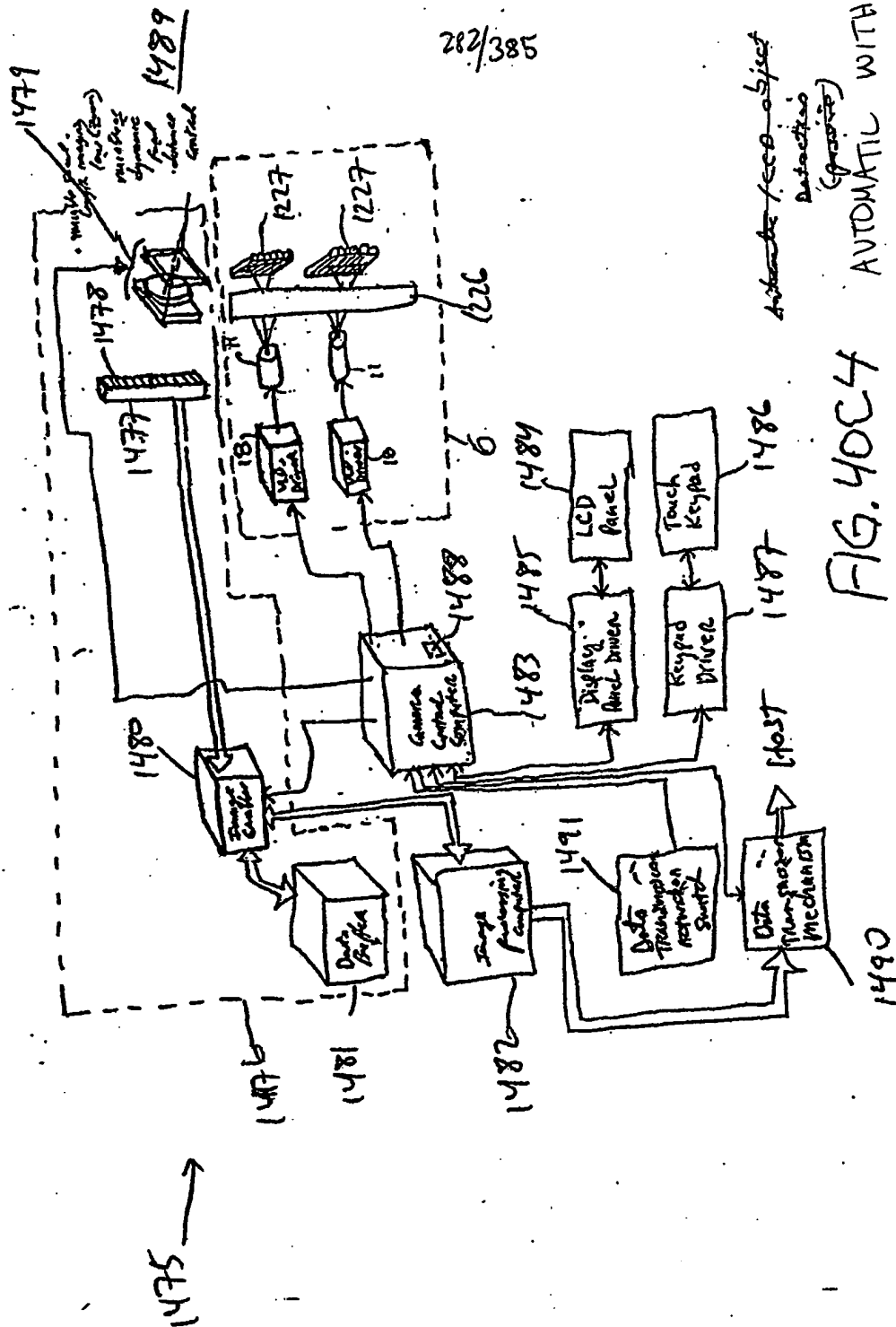


FIG. 40C4

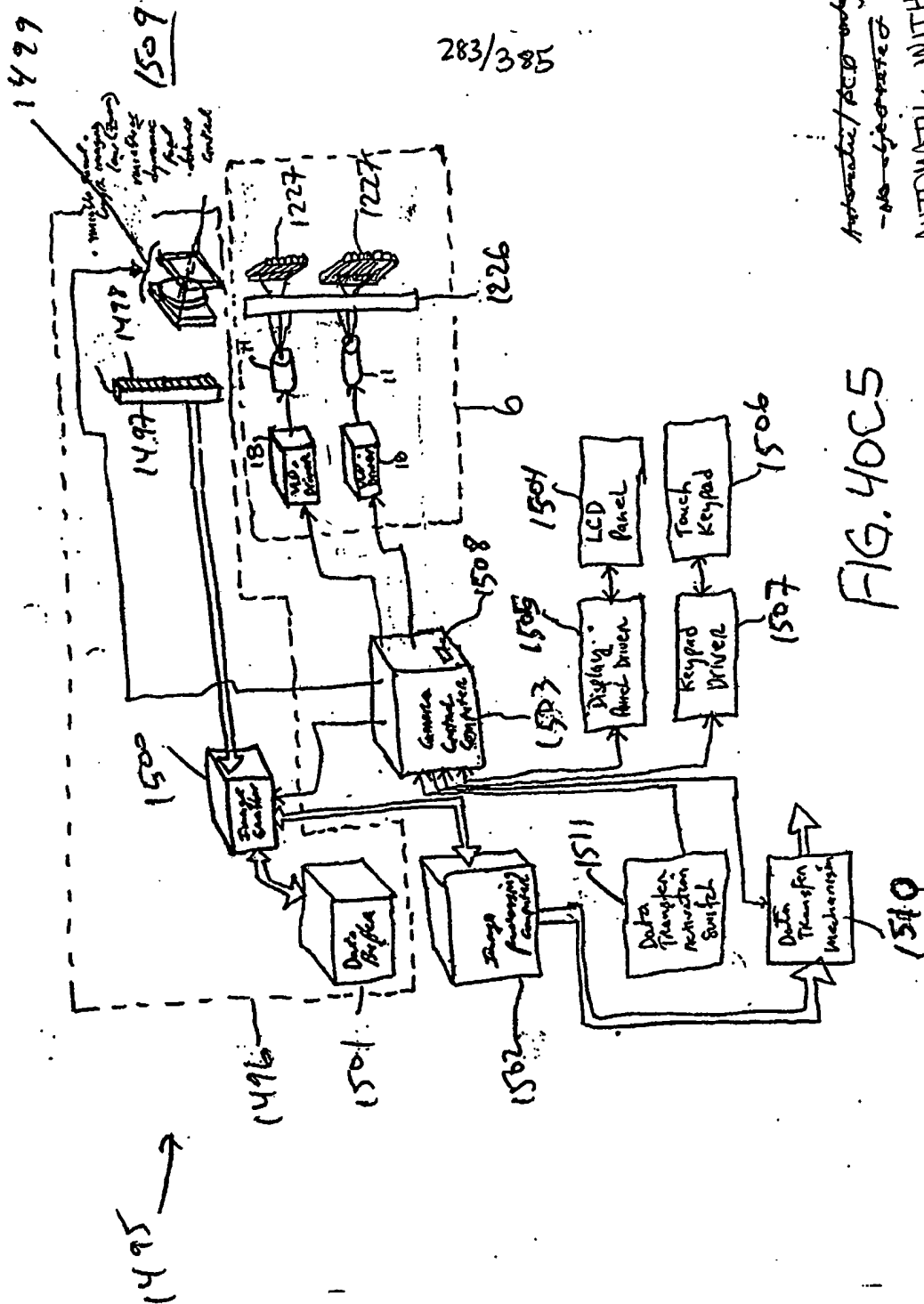
Interactive Detection (Passive)

AUTOMATIC WITH PASSIVE  
 CED-BASED OBSECTON

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Automatic/PC only  
-no license fee  
AUTOMATIC WITH  
BED ONLY AND NO  
OBJECT DETECTION



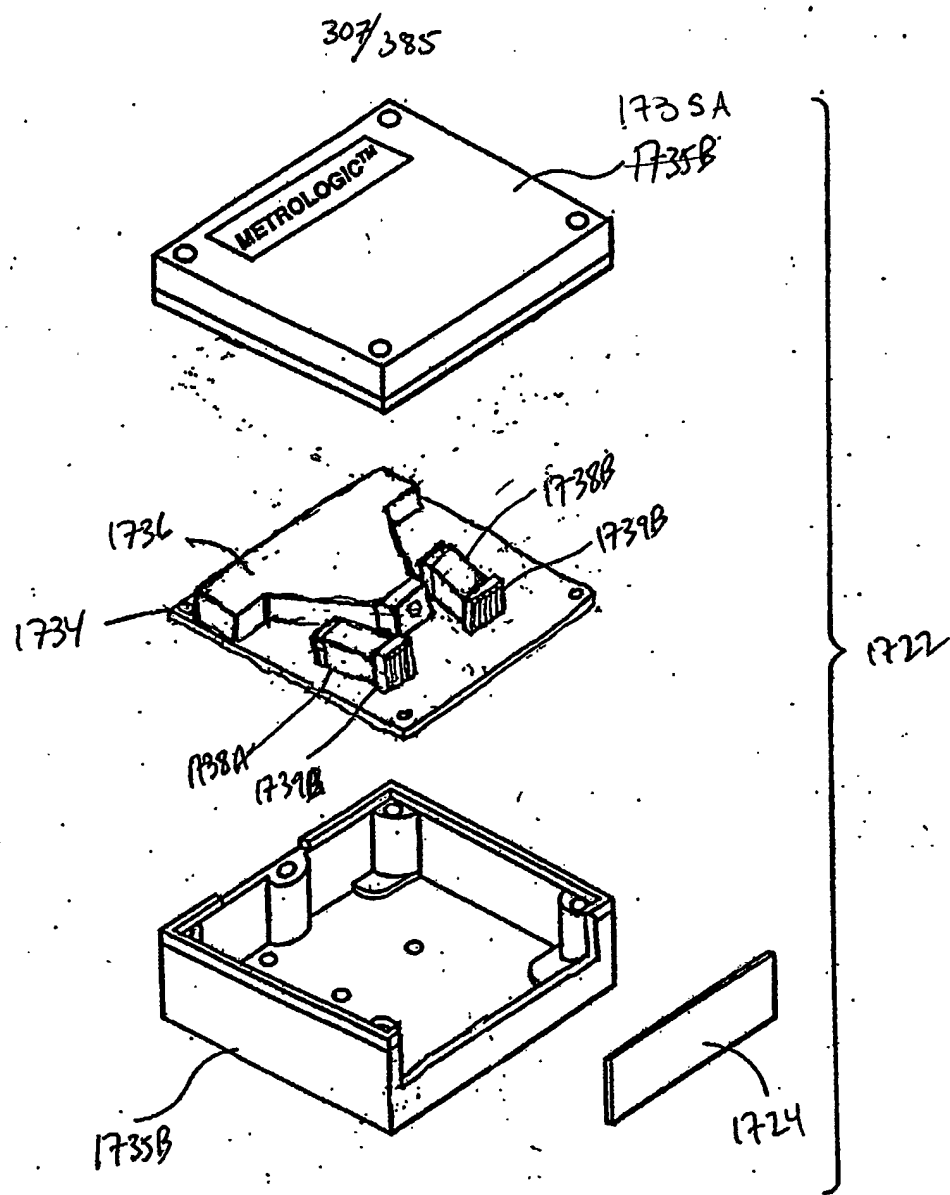


FIG. 48B



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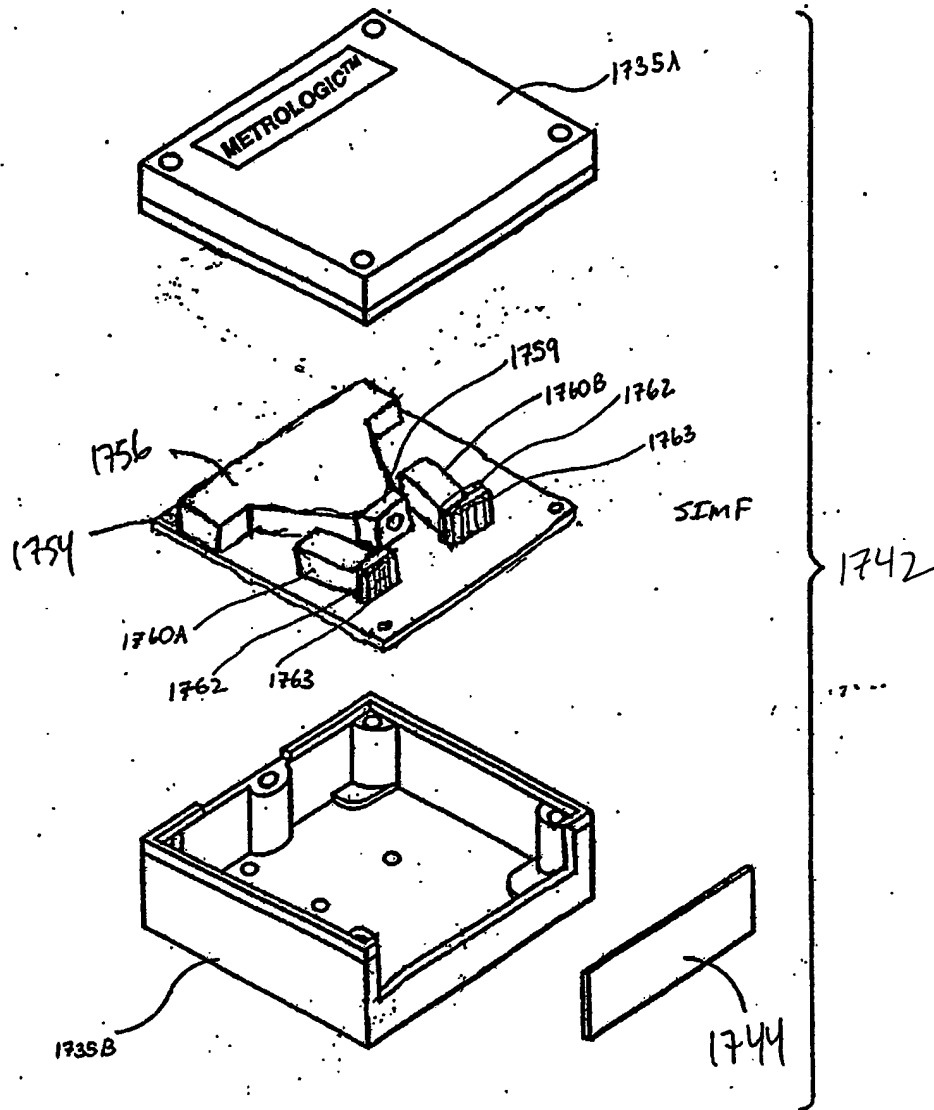


FIG. 49B

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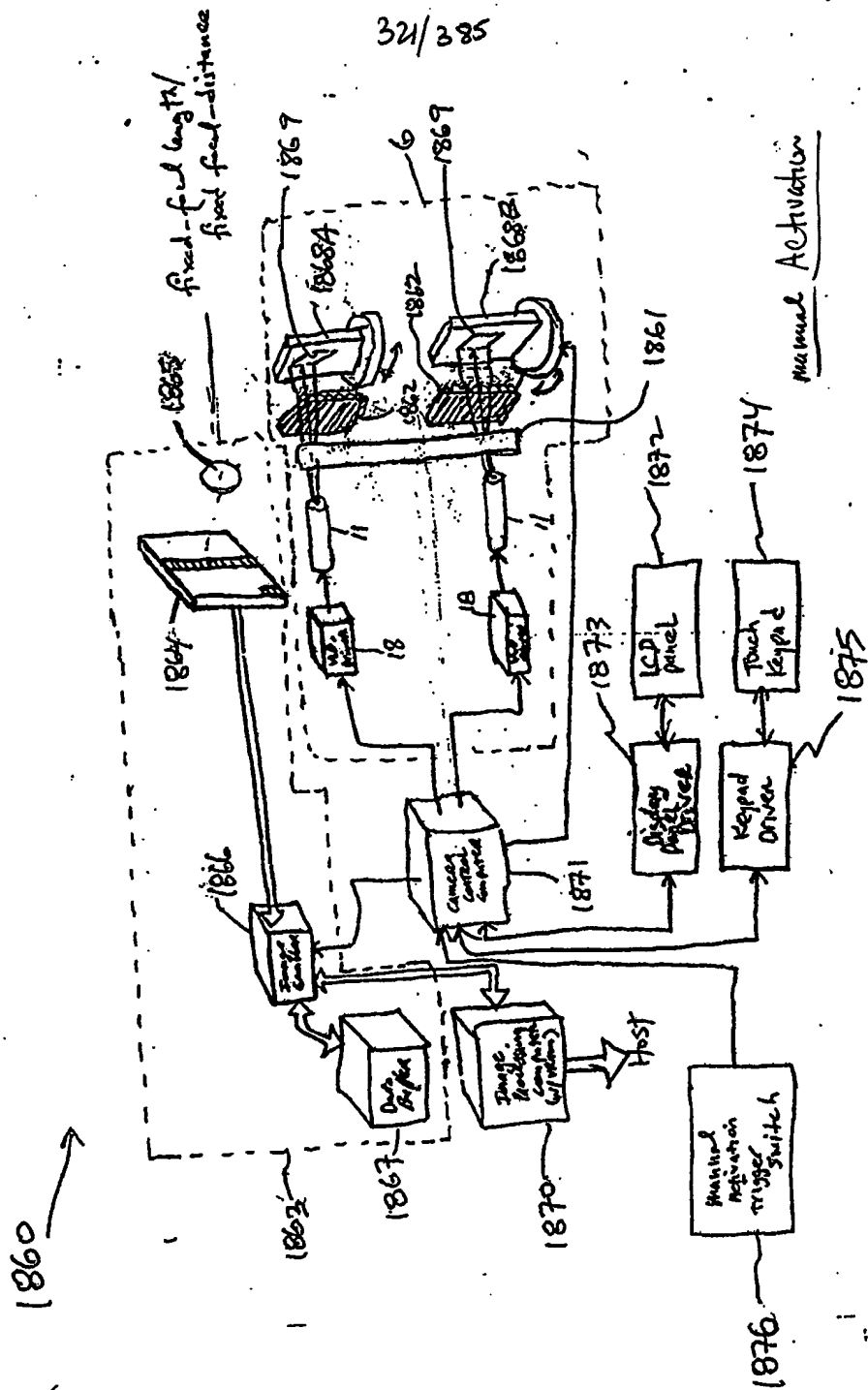
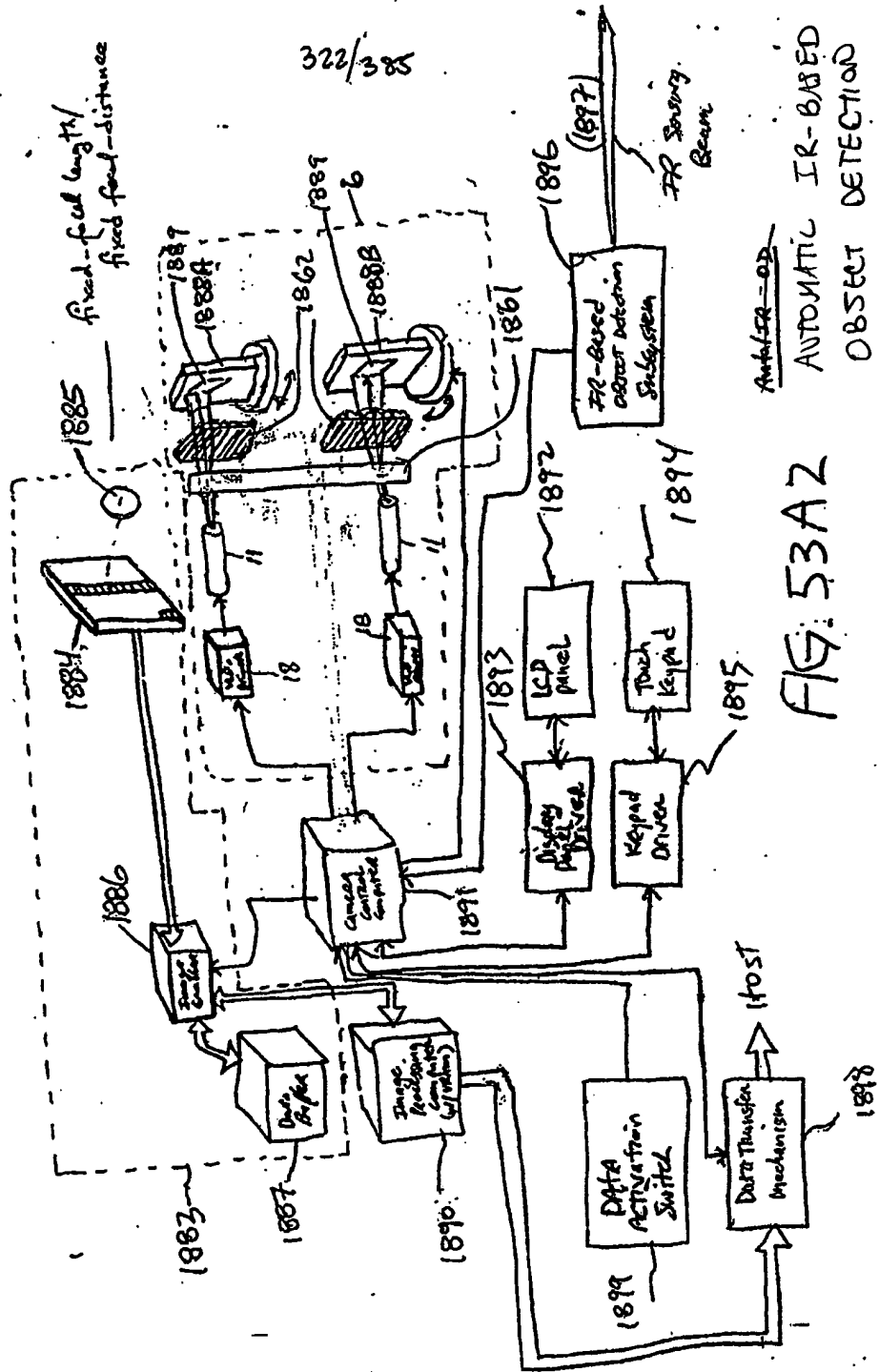


FIG. 53A1

0881

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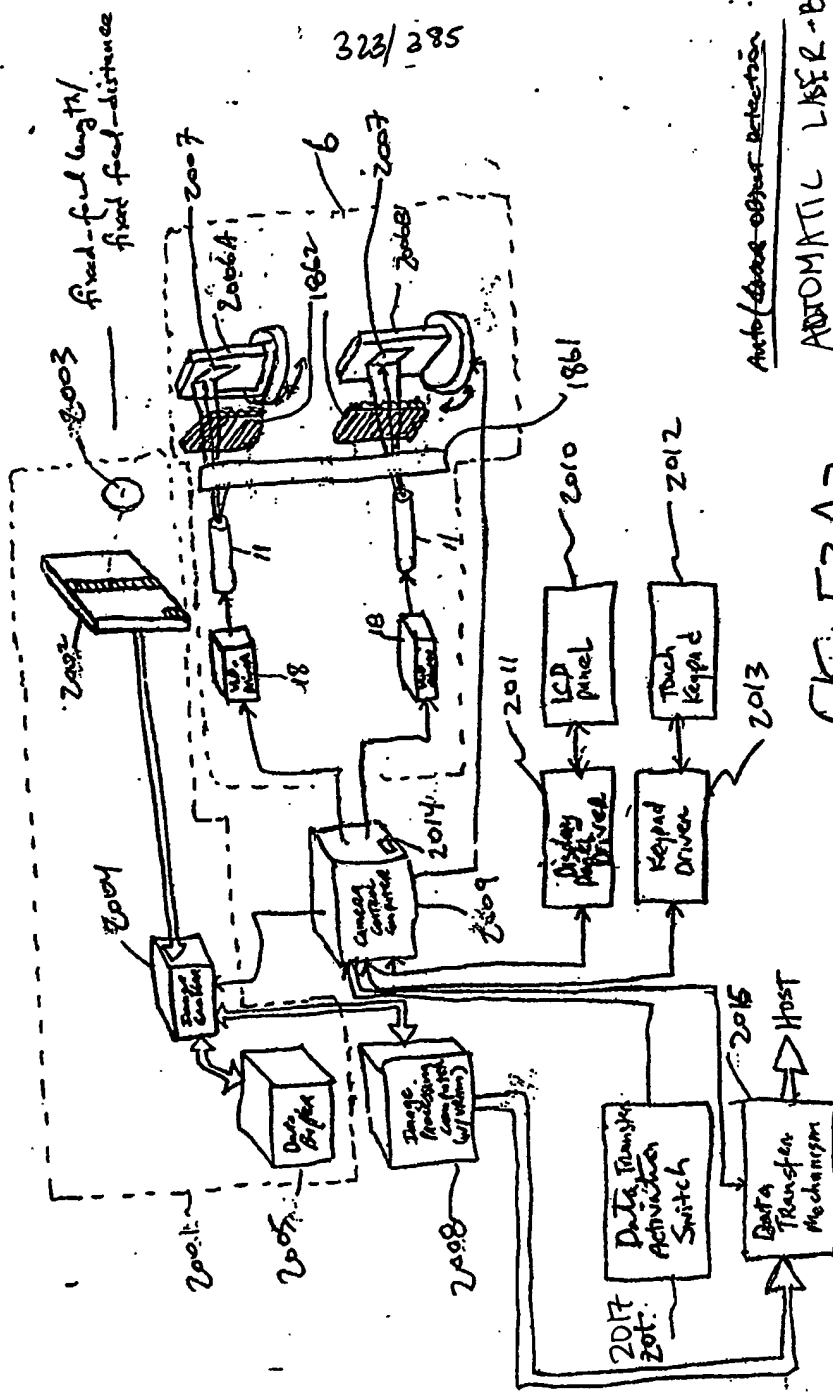


Antefix - OD

## AUTOMATIC IR-BASED OBJECT DETECTION

FIG. 53A2

2000



Auto/semi-automatic detection  
AUTOMATIC LASER-BASED  
OBJECT DETECTION

FIG. 53A3

2022 →

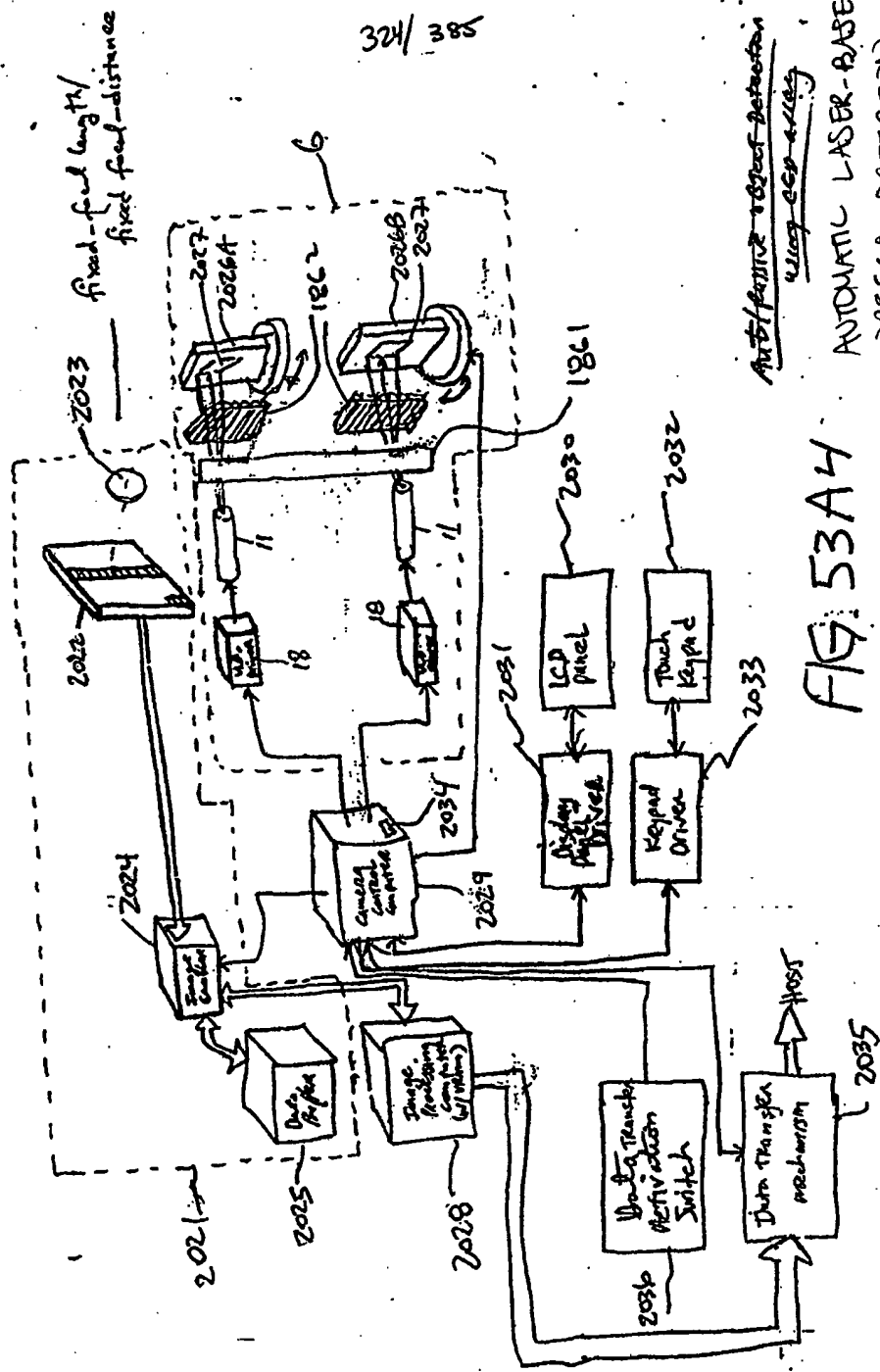


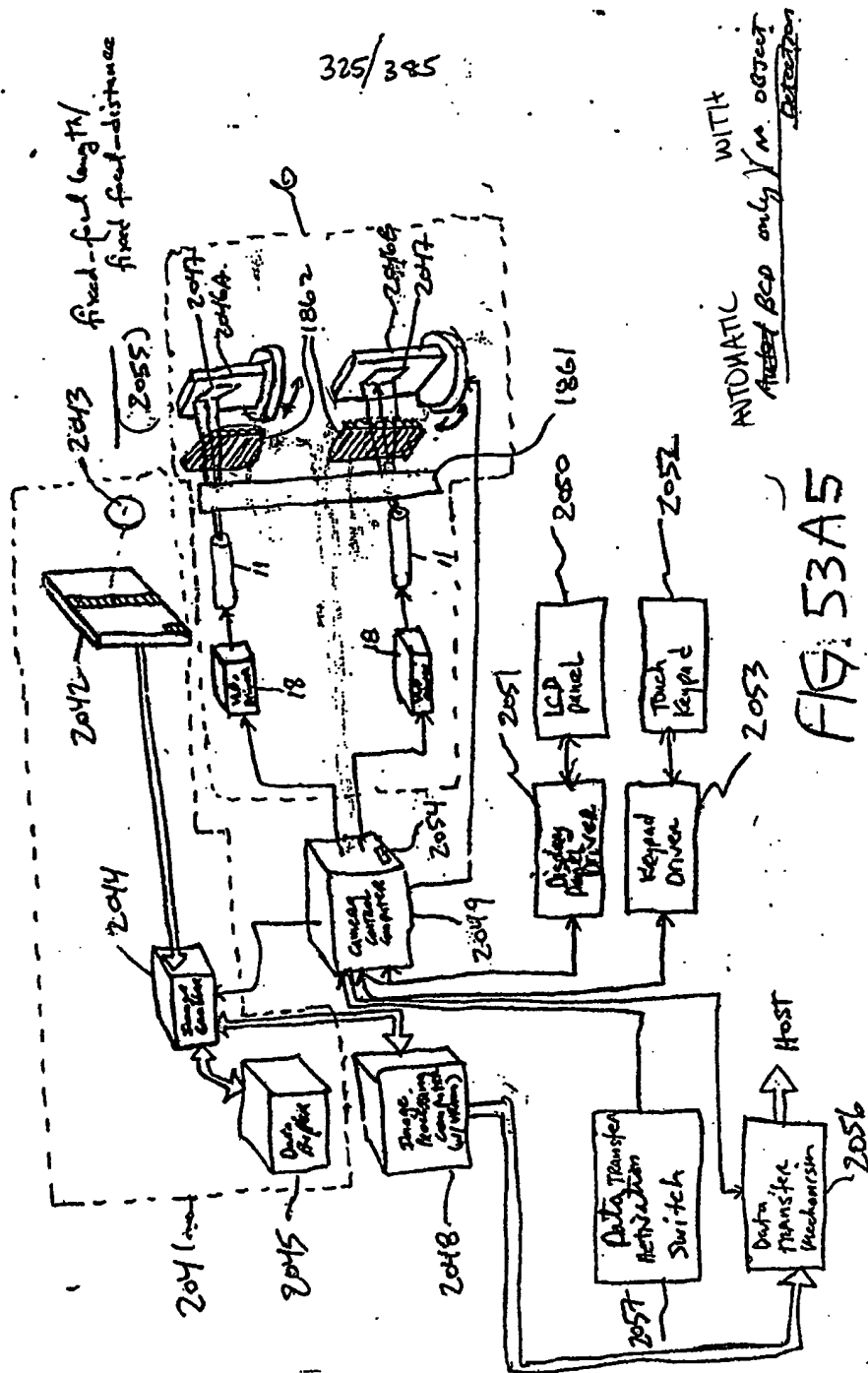
FIG. 53A4

AUTOMATIC LASER-BASED  
OBJECT DETECTION  
USING CCD-ARRAY

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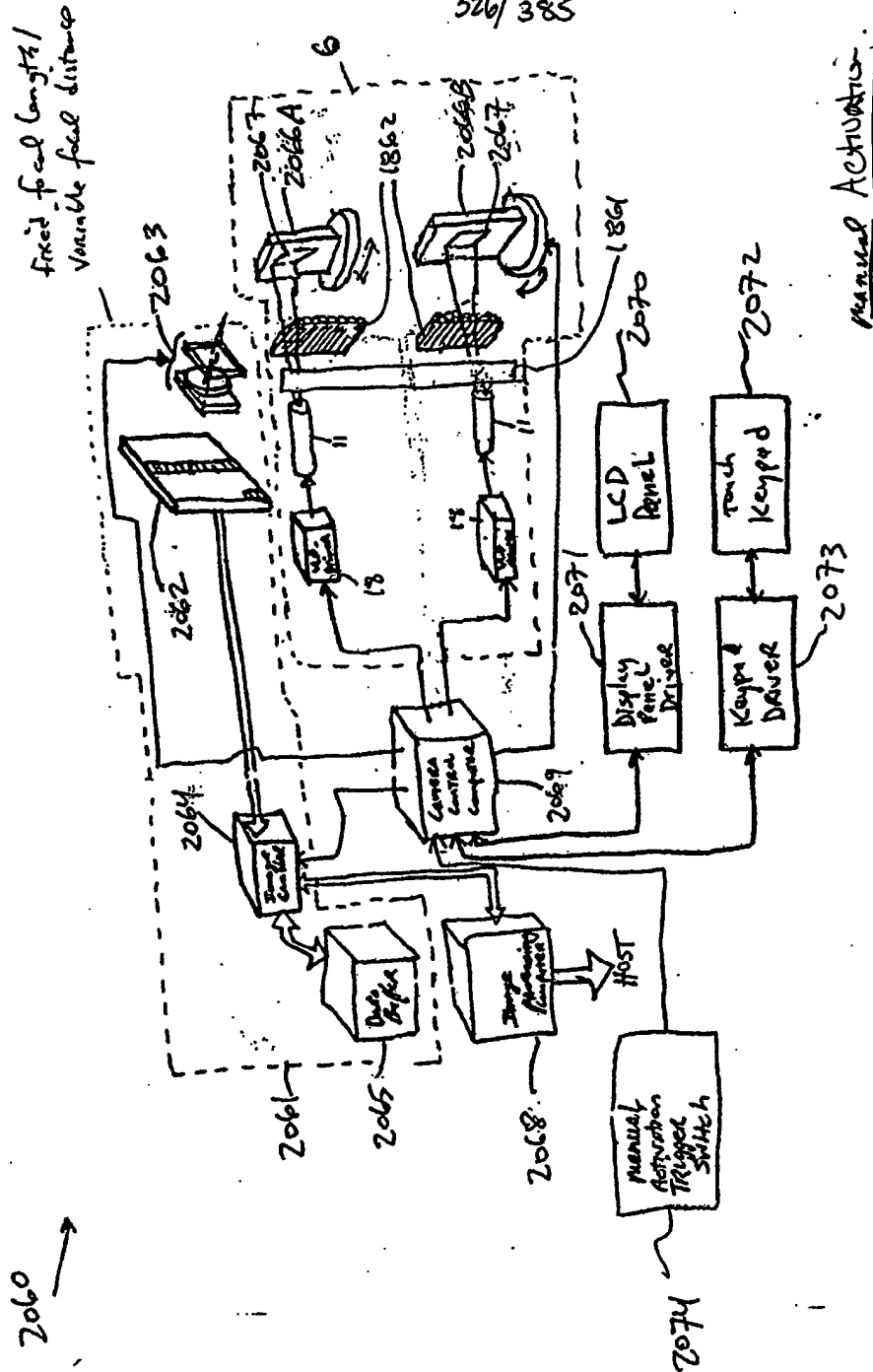
2040



WITH  
AUTOMATIC  
FIELD BCD ONLY / NO OBJECT  
DETECTION

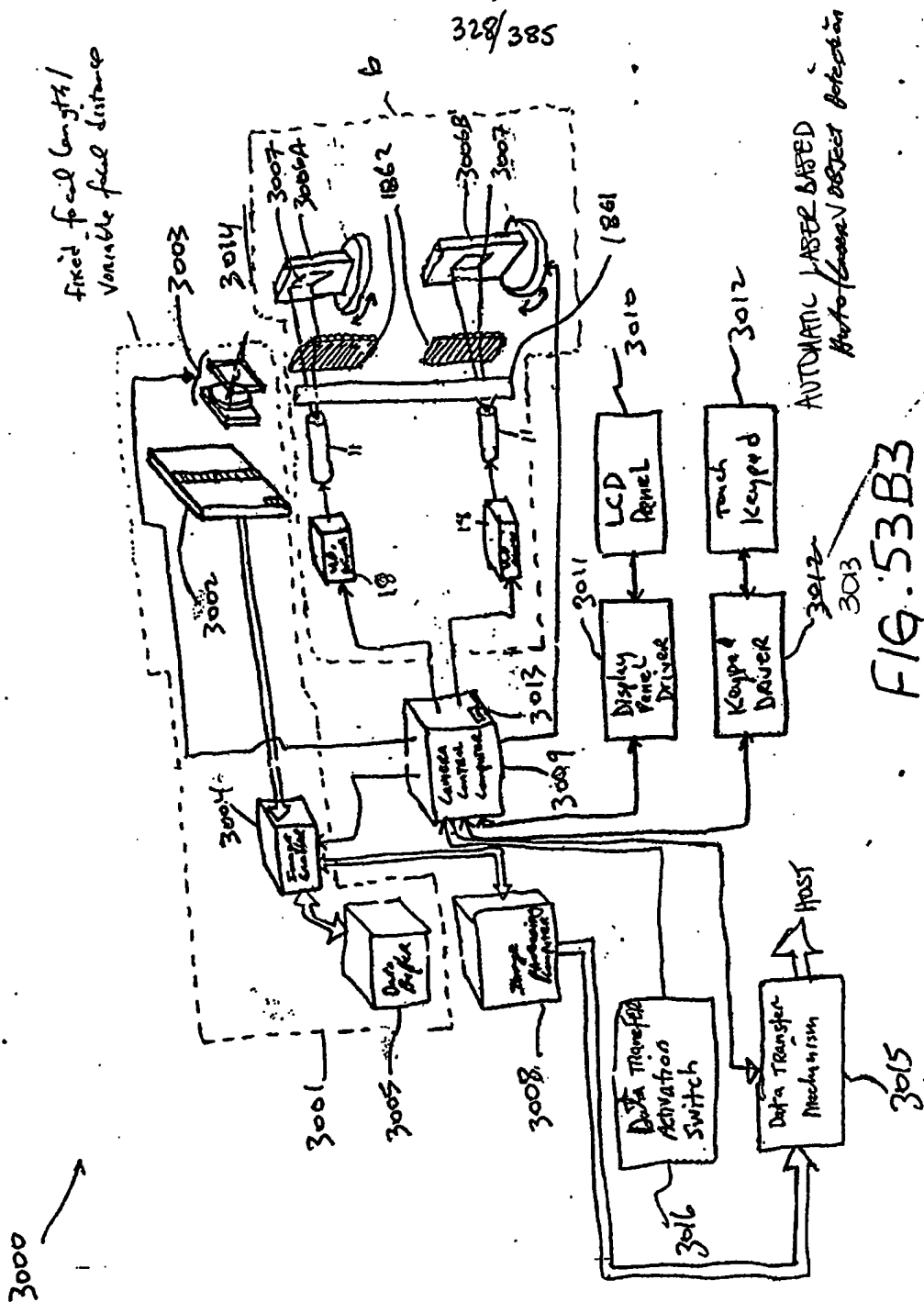
FIG. 53A5

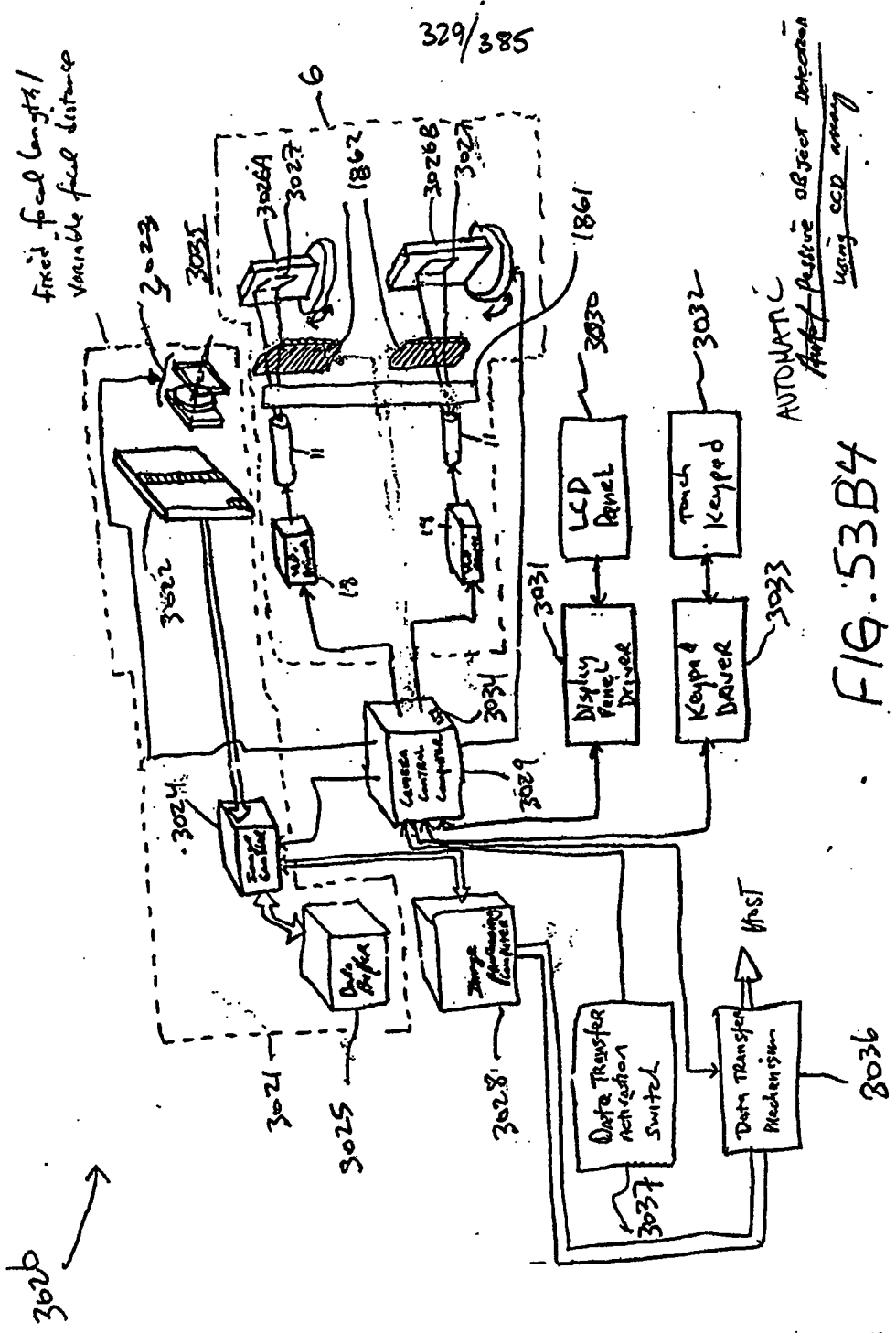
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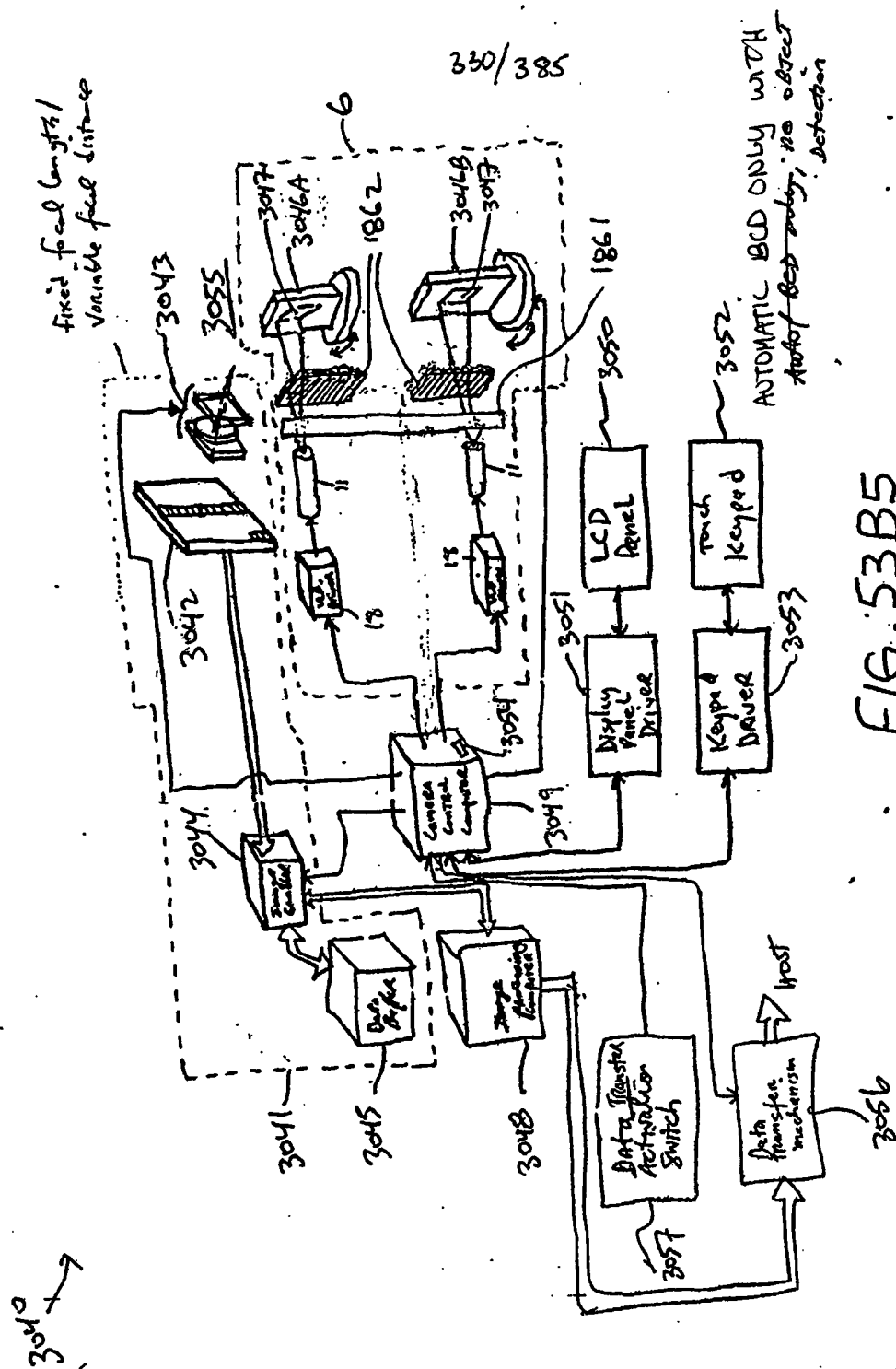


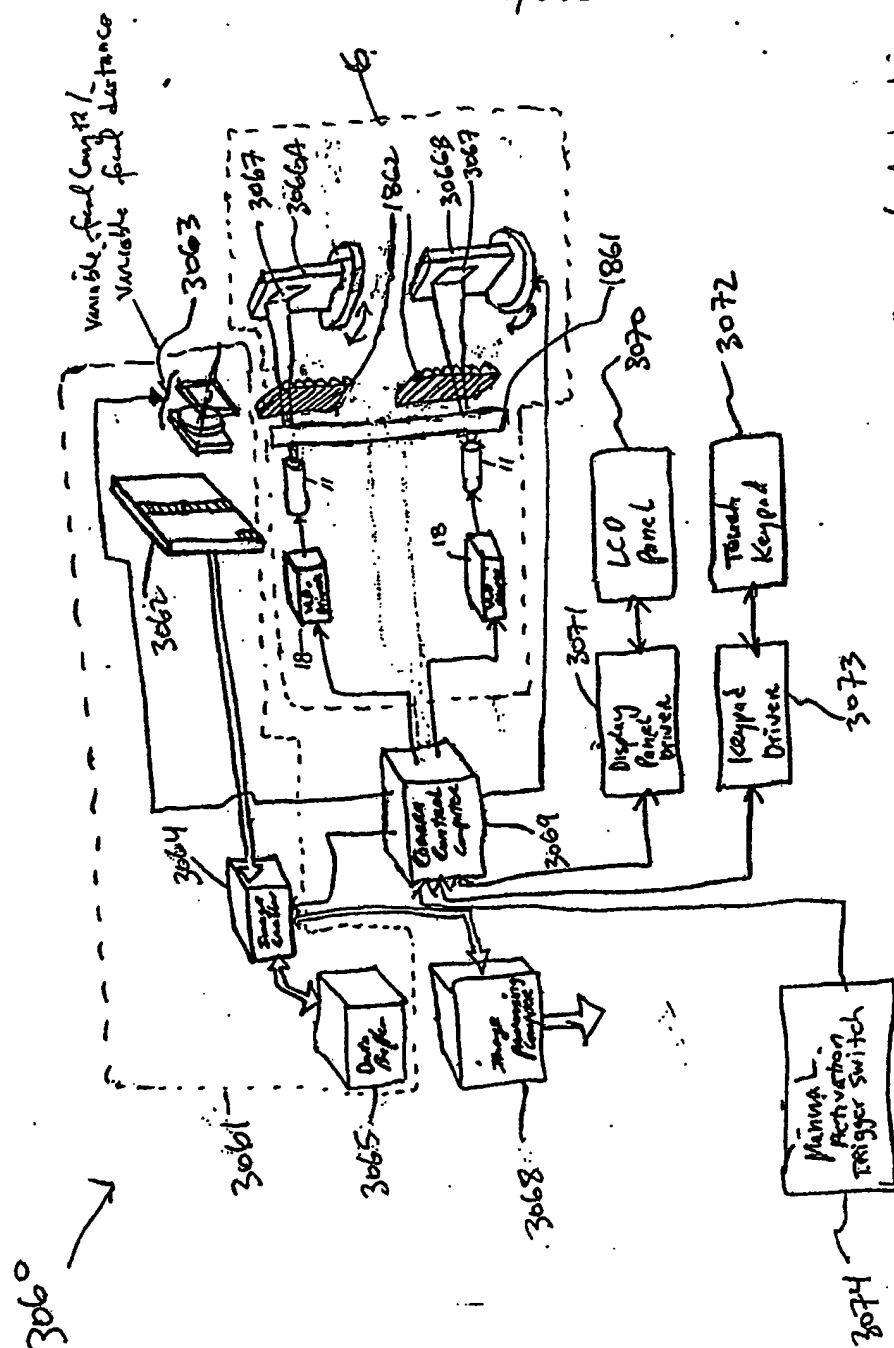












## Manual Activation

FIG. 53C1

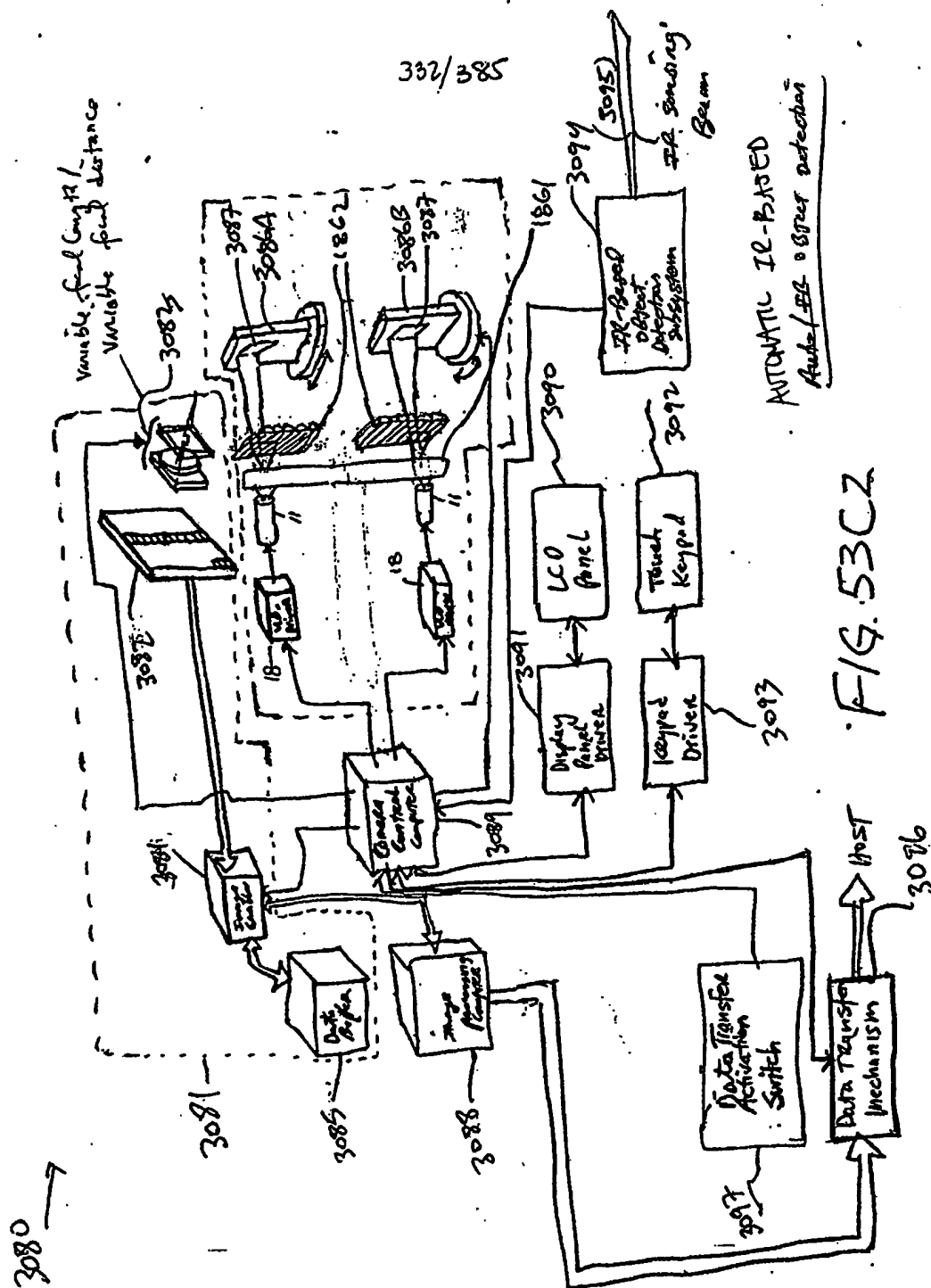
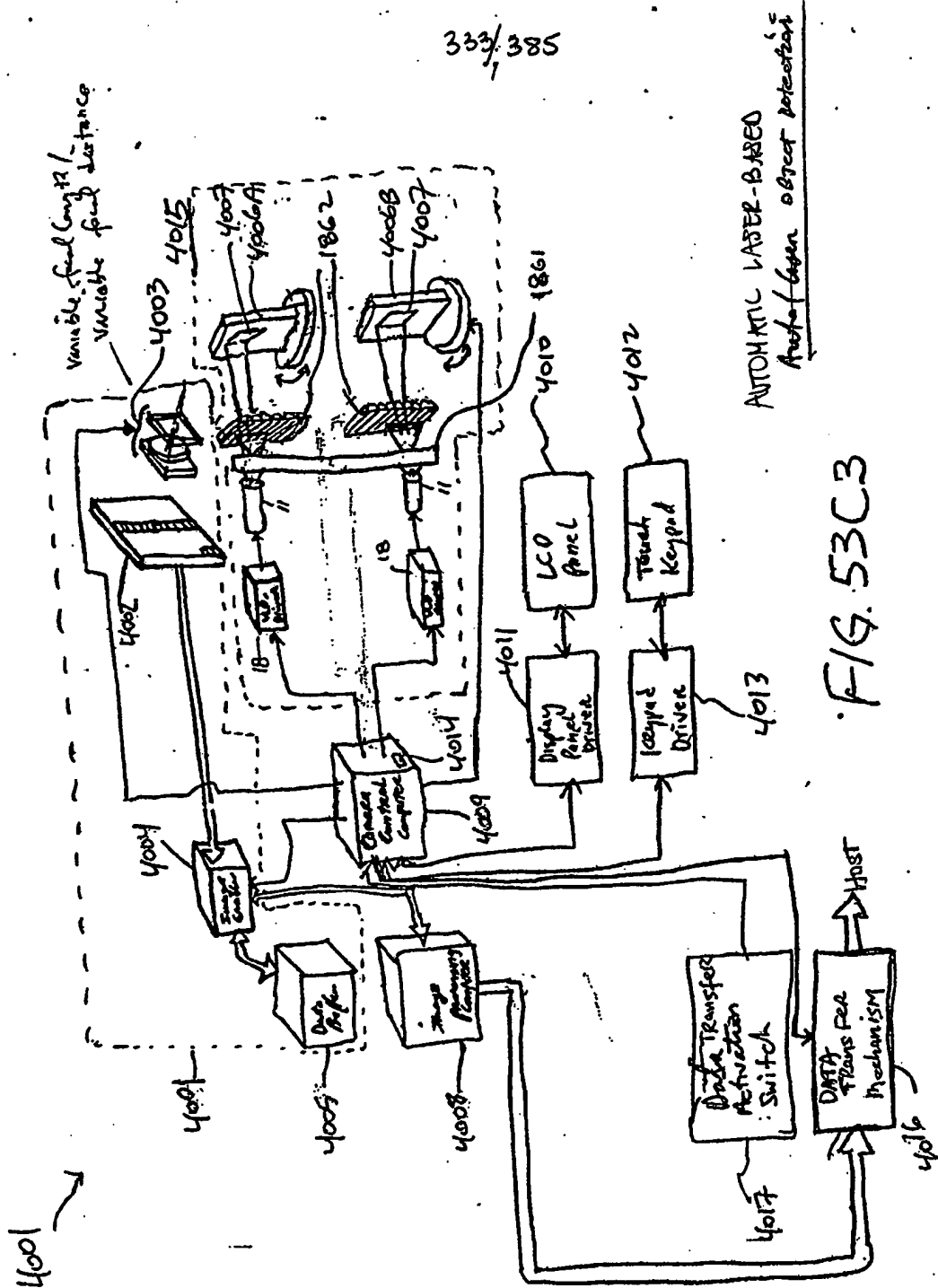


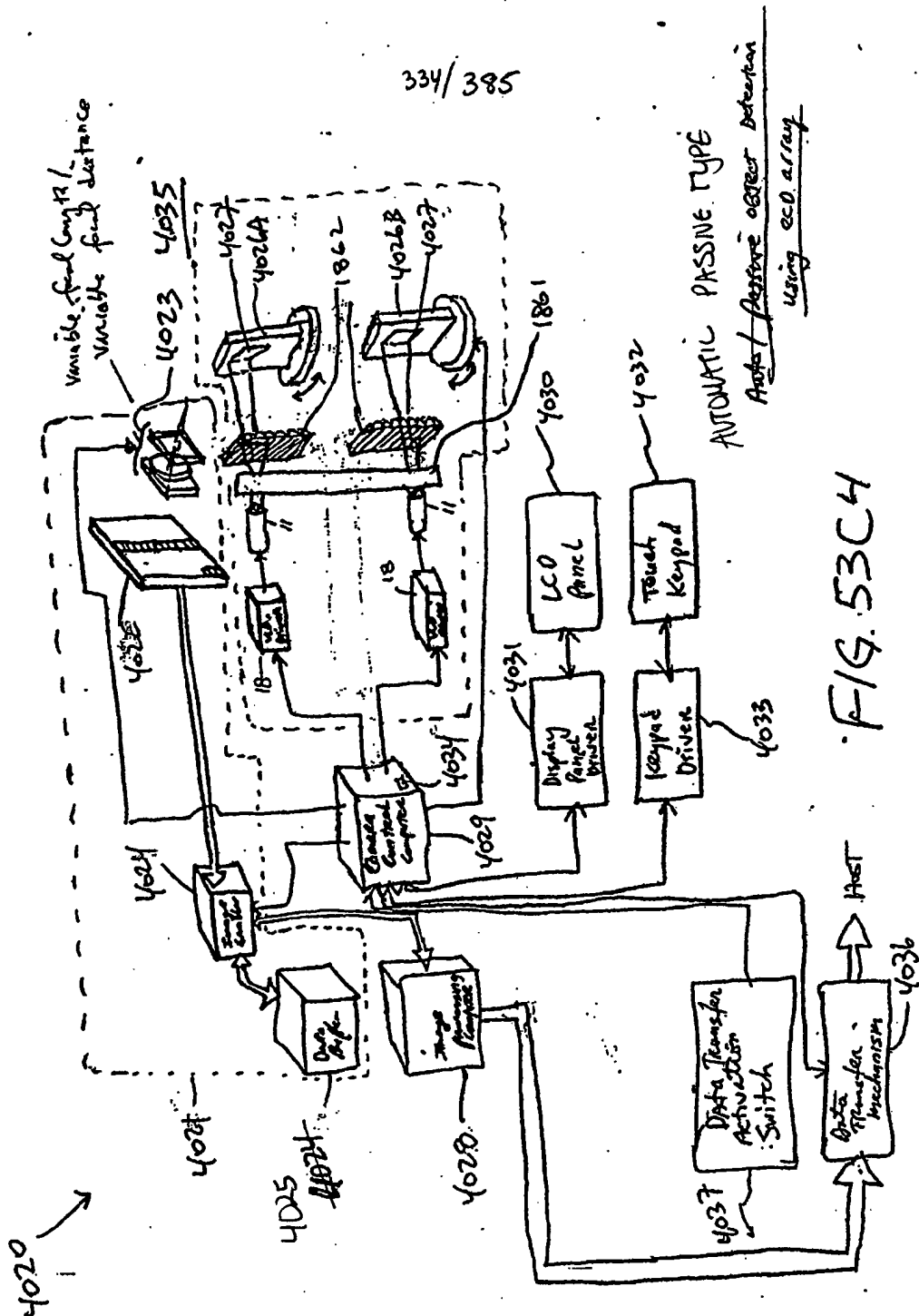
FIG. 53C2

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AUTOMATIC LASER-BASED  
Anti-Air Object Detection

FIG. 53C3

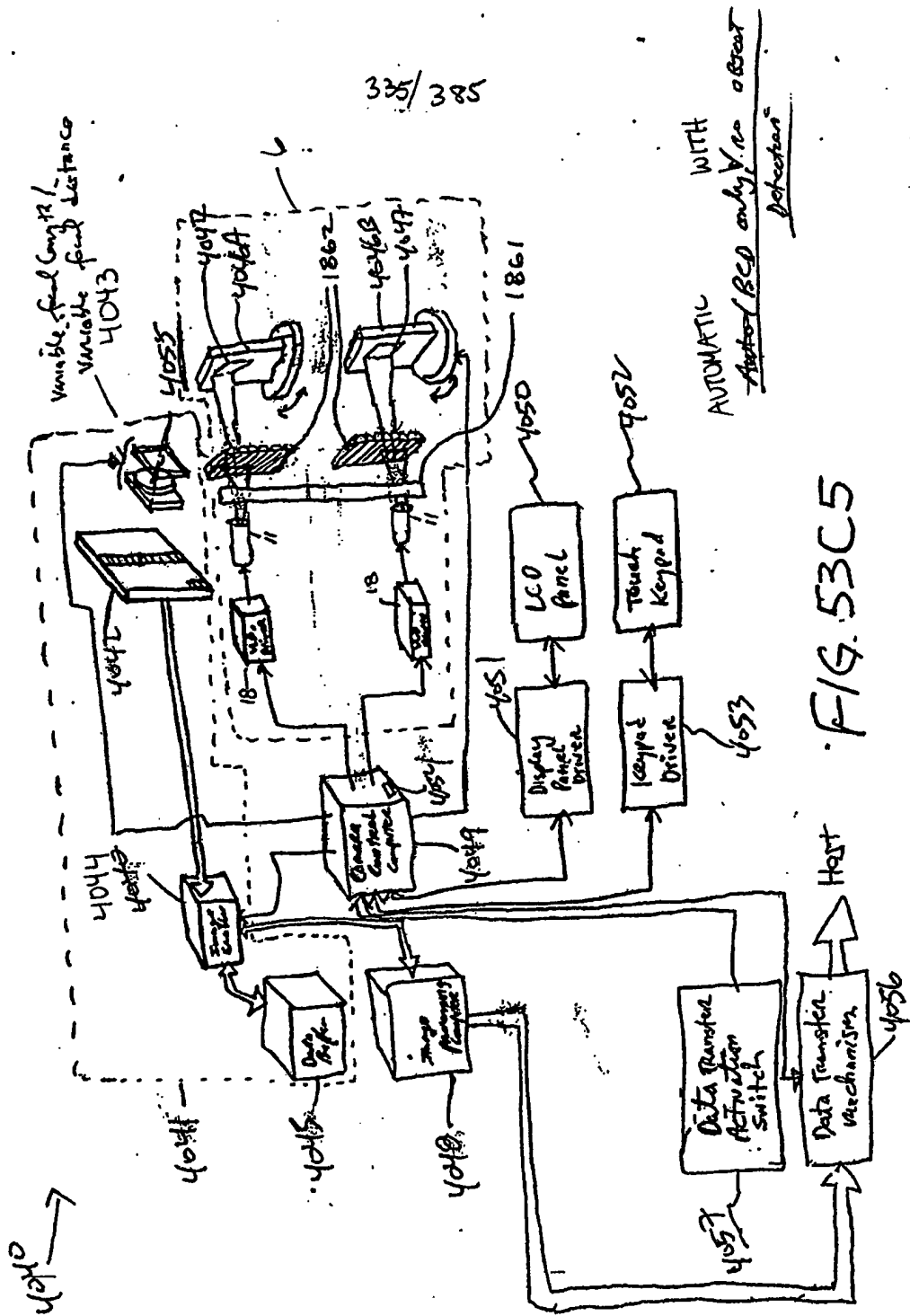


AUTOMATIC PASSIVE TYPE

Active / Passive object detection using eco array

FIG. 53C4

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WITH  
AUTOMATIC  
Atomic Beam only, no other  
protection

FIG. 53C5



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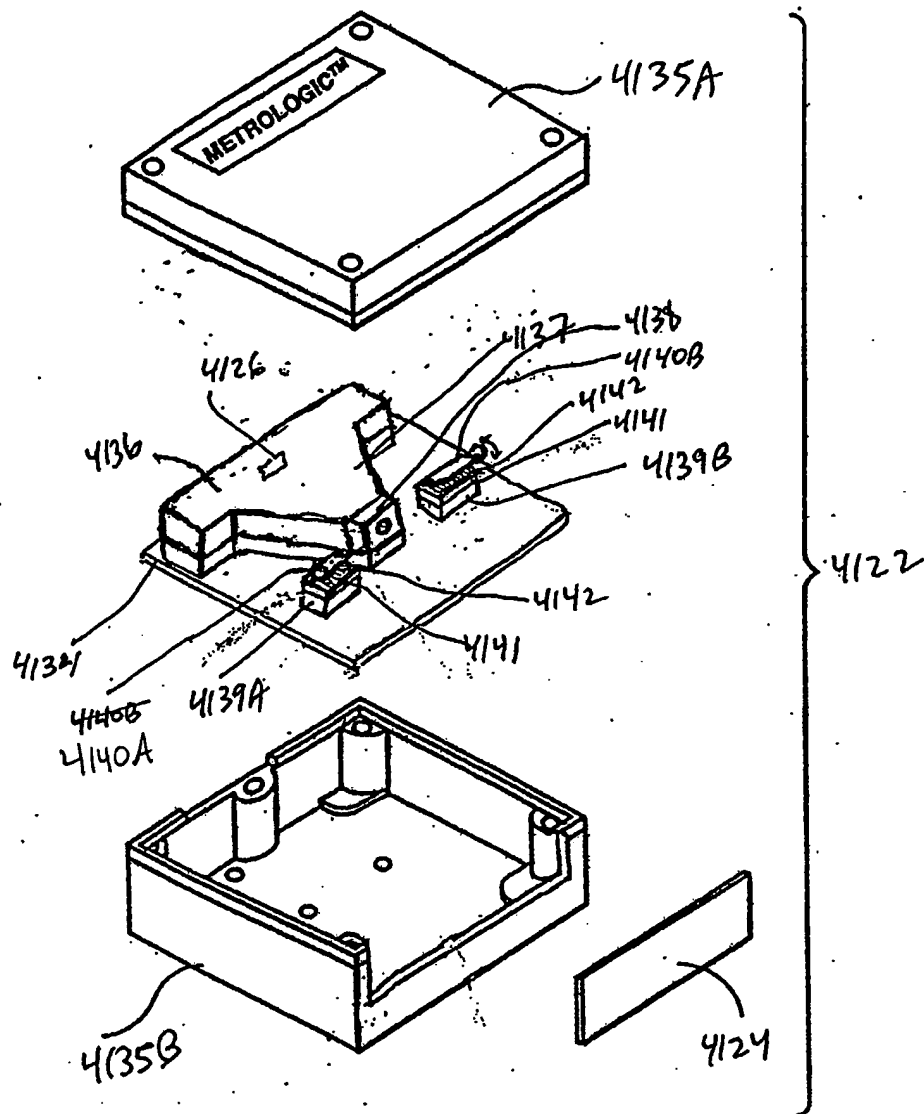


FIG. 56B

DM

Fig. 1E7A-7C

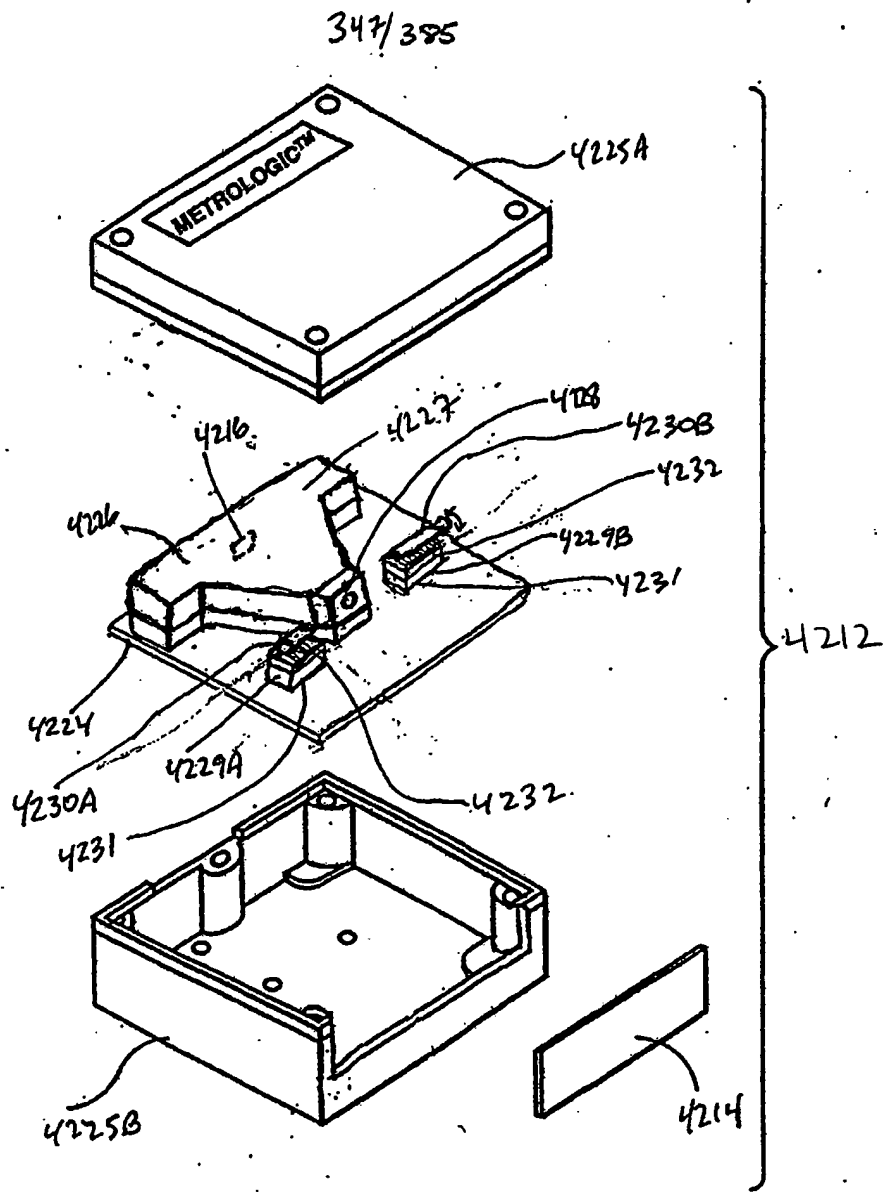


FIG. 59B

UnCLD  
Fig. 1E15A-15B

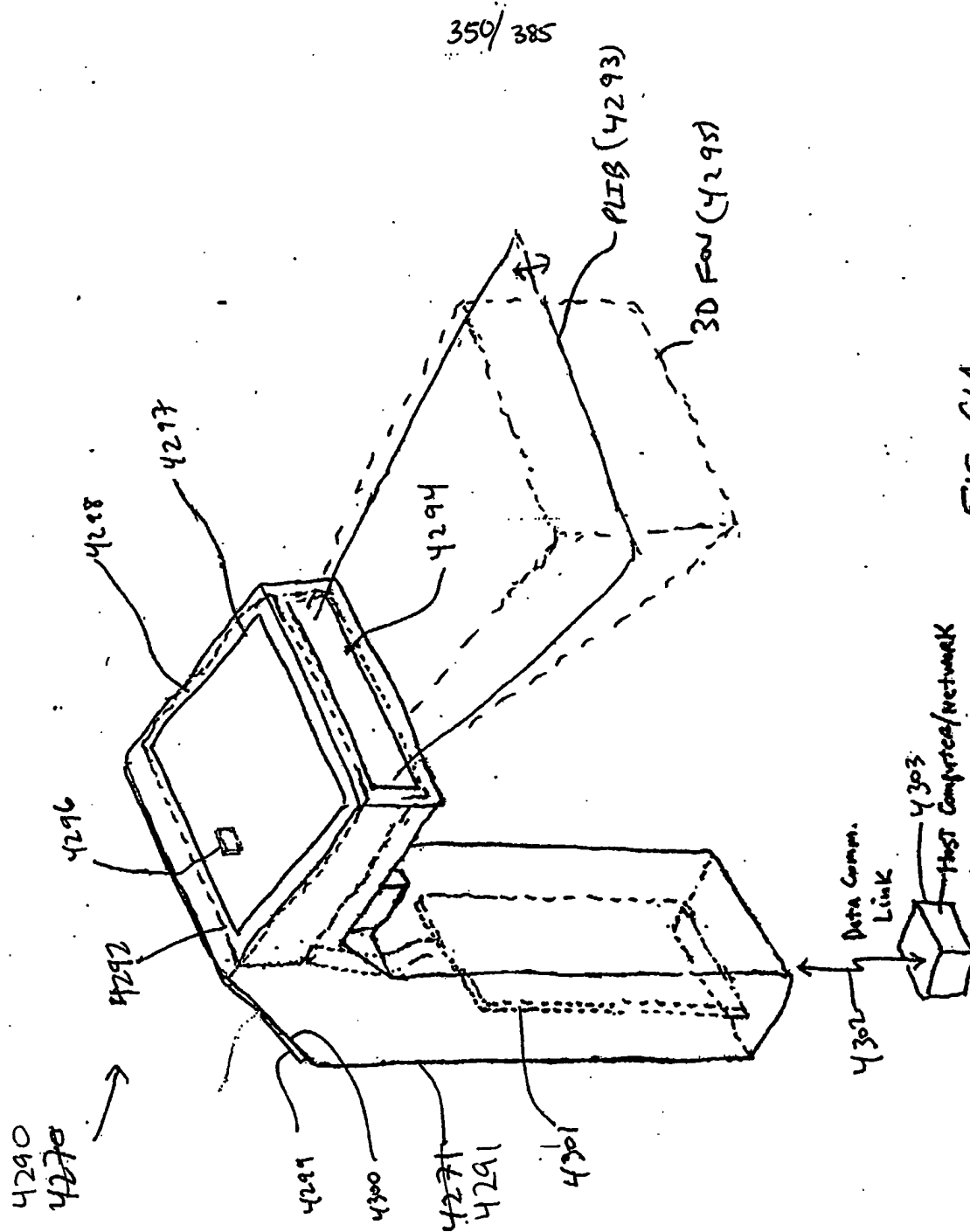


FIG. 61A

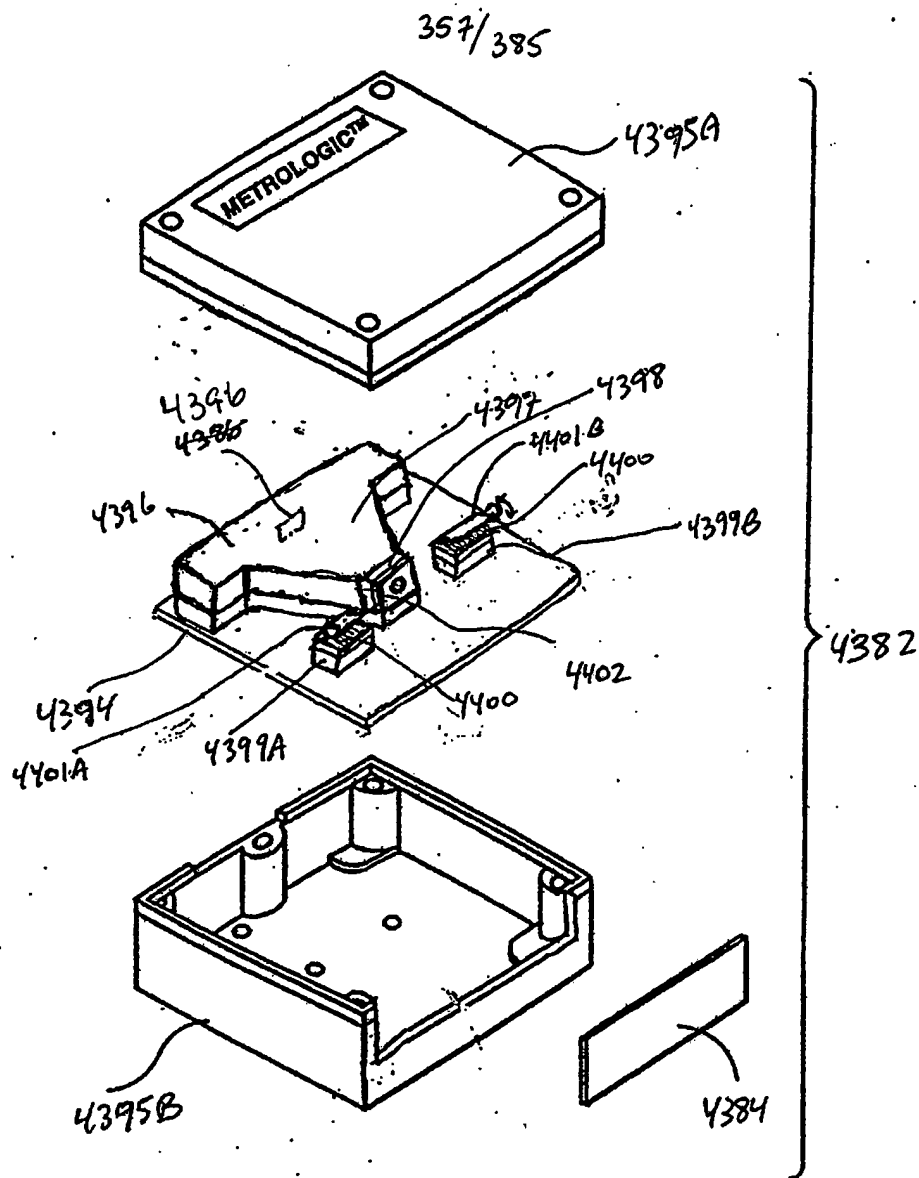


FIG. 64B

\* E-optical  
Shutter before  
EP lens  
Fig. 1E24A

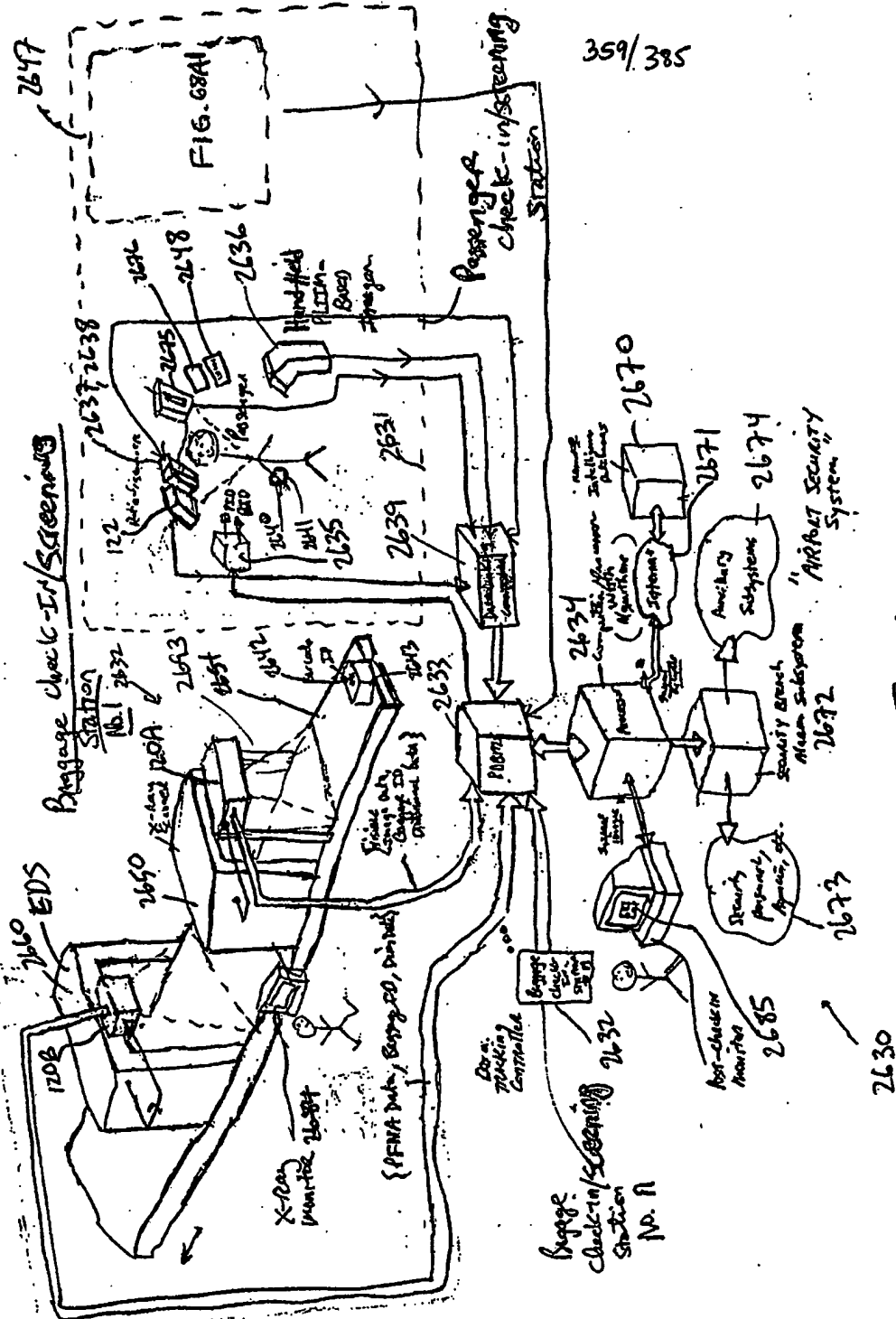
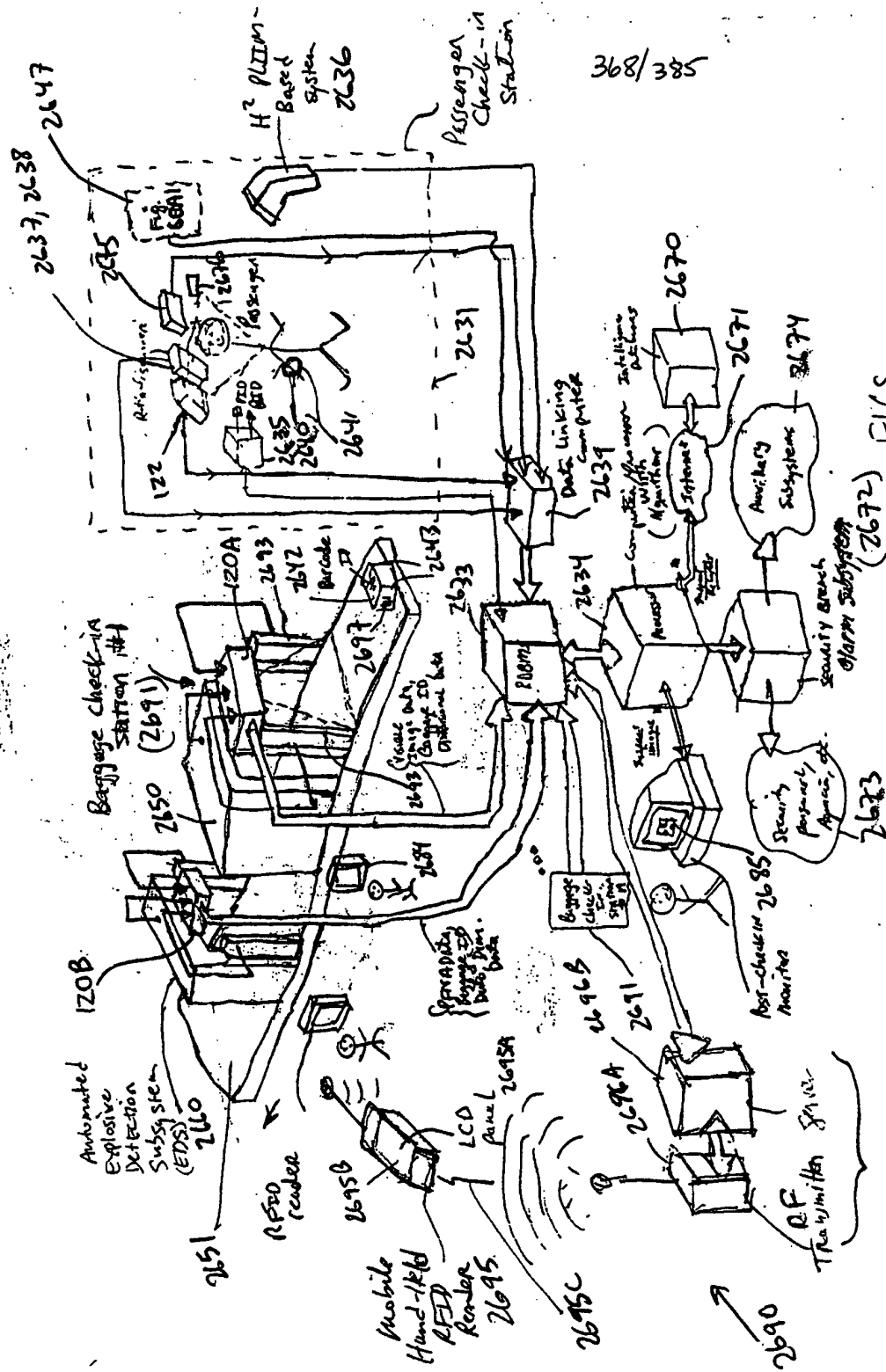


FIG. 68-1 through 68-3



FIGS.

FIG. 69A through 69A3

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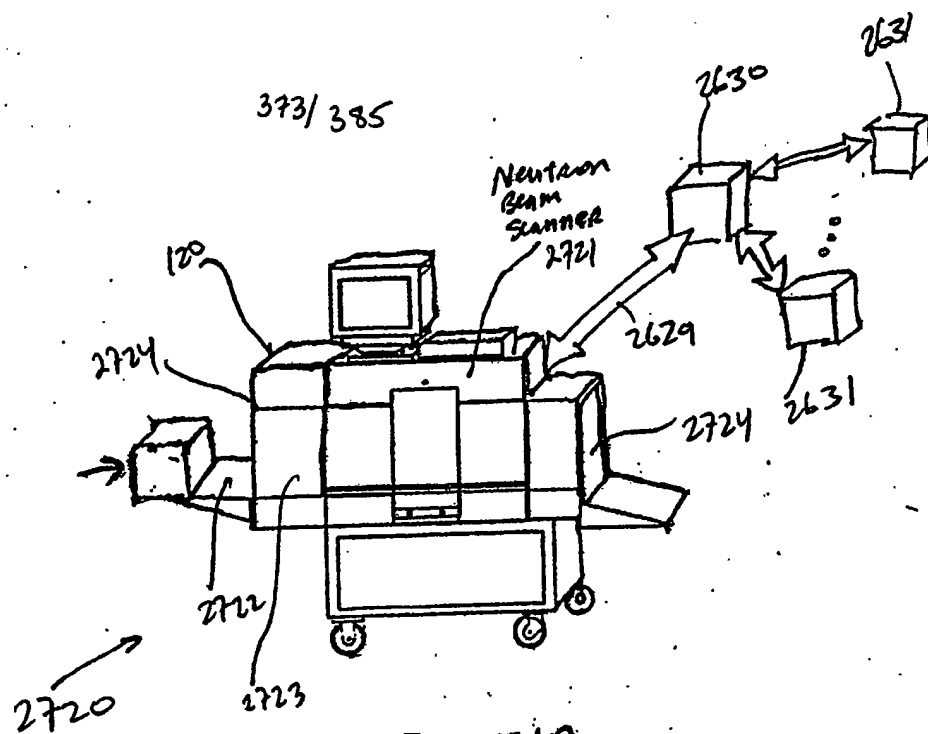


FIG 71A

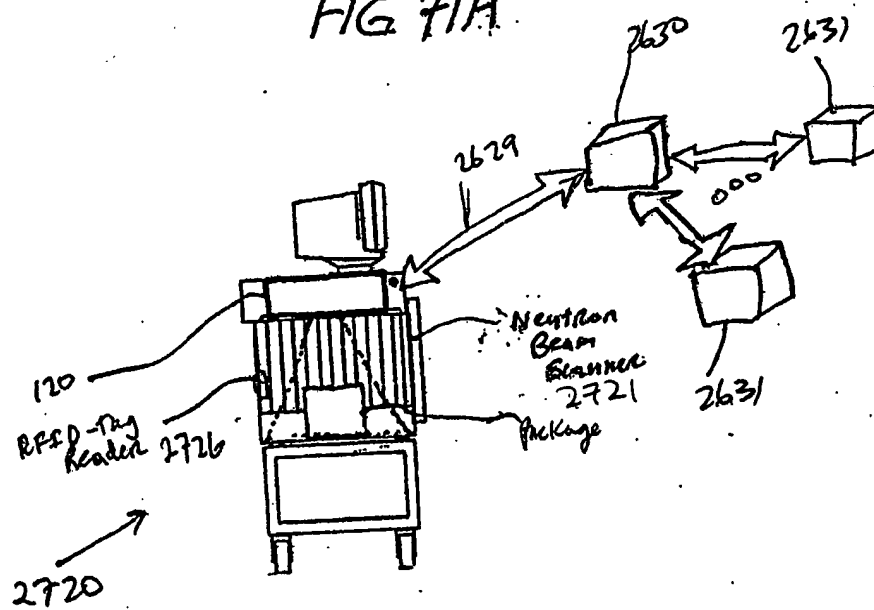


FIG 71B

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